EL9VERDADERO

SAMSUNG

LED-TV

Chassis : N91B

Model : UN19C4000PD
UN22C4000PD
UE26EH4500WXZG
UN22C4000PX (HD-Ready)
UN26C4000PX (HD-Ready)

SERVICE Manual

TFT-LCD TV

UN19C4000PD/UN22C4000PD/UN26C4000PD
UE26EH4500WXZG

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GSPN (Global Service Partner Network)

Area	Web Site
North America	http://service.samsungportal.com
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Mideast & Africa	http://mea.samsungportal.com

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1. Precautions

1-1. Safety Precautions

Follow these safety, servicing and ESD precautions to prevent damage and to protect against potential hazards such as electrical shock.

1-1-1. Warnings

1. For continued safety, do not attempt to modify the circuit board.
2. Disconnect the AC power and DC power jack before servicing.

1-1-2. Servicing the LCD TV

1. When servicing the LCD TV, Disconnect the AC line cord from the AC outlet.
2. It is essential that service technicians have an accurate voltage meter available at all times.
   Check the calibration of this meter periodically.

1-1-3. Fire and Shock Hazard

Before returning the LCD TV to the user, perform the following safety checks:

1. Inspect each lead dress to make certain that the leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the LCD TV.
2. Inspect all protective devices such as nonmetallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistorcapacitor networks, mechanical insulators, etc.
3. Leakage Current Hot Check (Figure 1-1):
   WARNING : Do not use an isolation transformer during this test.
   Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI C101.1, Leakage Current for Appliances), and Underwriters Laboratories (UL Publication UL1410, 59.7).

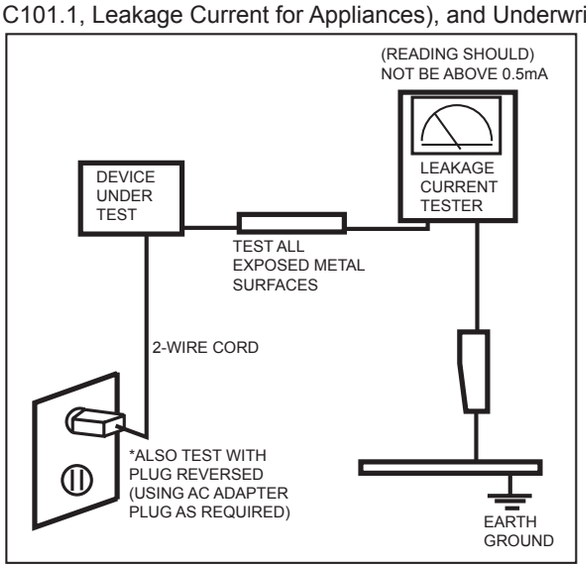

Figure 1-1. Leakage Current Test Circuit

4. With the unit completely reassembled, plug the AC line cord directly into a 120V AC outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: metal cabinets, screwheads and control shafts.
   The current measured should not exceed 0.5 milliamp.
   Reverse the power-plug prongs in the AC outlet and repeat the test.

1-1-4. Product Safety Notices

Some electrical and mechanical parts have special safetyrelated characteristics which are often not evident from visual inspection. The protection they give may not be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by ⚠ on schematics and parts lists. A substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire and/or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate.

1-2. Servicing Precautions

WARNING: An electrolytic capacitor installed with the wrong polarity might explode.
Caution: Before servicing units covered by this service manual, read and follow the Safety Precautions section of this manual.
Note: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions, always follow the safety precautions.

1-2-1 General Servicing Precautions

1. Always unplug the unit's AC power cord from the AC power source and disconnect the DC Power Jack before attempting to:
   (a) remove or reinstall any component or assembly, (b) disconnect PCB plugs or connectors, (c) connect a test component in parallel with an electrolytic capacitor.
2. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.
3. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the area around the serviced part has not been damaged.
4. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).
5. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500 V) to theblades of the AC plug.
   The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.
6. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

1-3. Electrostatically Sensitive Devices (ESD) Precautions

Some semiconductor (solid state) devices can be easily damaged by static electricity. Such components are commonly called Electrostatically Sensitive Devices (ESD). Examples of typical ESD are integrated circuits and some field-effect transistors. The following techniques will reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. To avoid a shock hazard, be sure to remove the wrist strap before applying power to the LCD TV.
2. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of an electrostatic charge.
3. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESDs.
4. Use only a grounded-tip soldering iron to solder or desolder ESDs.
5. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESDs.
6. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
7. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   Caution: Be sure no power is applied to the chassis or circuit and observe all other safety precautions.
8. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting your foot from a carpeted floor can generate enough static electricity to damage an ESD.

1-4. Installation Precautions

1. For safety reasons, more than a people are required for carrying the product.
2. Keep the power cord away from any heat emitting devices, as a melted covering may cause fire or electric shock.
3. Do not place the product in areas with poor ventilation such as a bookshelf or closet. The increased internal temperature may cause fire.
4. Bend the external antenna cable when connecting it to the product. This is a measure to protect it from being exposed to moisture. Otherwise, it may cause a fire or electric shock.
5. Make sure to turn the power off and unplug the power cord from the outlet before repositioning the product. Also check the antenna cable or the external connectors if they are fully unplugged. Damage to the cord may cause fire or electric shock.
6. Keep the antenna far away from any high-voltage cables and install it firmly. Contact with the highvoltage cable or the antenna falling over may cause fire or electric shock.
7. When installing the product, leave enough space (0.4m) between the product and the wall for ventilation purposes. A rise in temperature within the product may cause fire.

Memo

2. Product specifications

2-1. Feature & Specifications

Model	UN19C4000PD
Feature	
▶ Digital-TV, RF, 2-HDMI, 1-Component, 1-A/V, 1-USB2.0, D-SUB ▶ Brightness : 300cd/m^2 ▶ High Contrast Ratio : 40,000:1 ▶ Response Time : 5ms	

Specifications		
Item	**Description**	
LCD Panel	19inch HD 60Hz	
Scanning Frequency	Horizontal : 60 kHz ~ 73 kHz (Automatic) Vertical : 47 Hz ~ 63 Hz (Automatic)	
Display Colors	16.7M color	
Maximum resolution	Horizontal : 1366 Pixels Vertical : 768 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω , internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock rate	74.25MHz	
Active Display Horizontal/Vertical	16.13 x 9.07 inches (409.8(H) x 230.4(V) mm)	
AC power voltage & Frequency	AC 110V ~ 220V, 60 Hz	
Power Consumption	Under 40W (Under 0.3W, Stand by)	
Dimensions Set (W x D x H)	18.8 x 7.5 x 14.7 inchs (477.6 x 189.6 x 374.1 mm)_with stand 18.8 x 1.2 x 12.6 inchs (477.6 x 29.9 x 320.6 mm)_without stand	
Weight	8.64 lbs (3.92kg)_with stand 7.89 lbs (3.58kg)_without stand	
TV System	Tunning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	ATSC & Clear QAM
	Sound	NTSC-M, Dolby Digital +
Environmental Considerations	Operating Temperature: 32˚F ~ 122˚F (0˚C ~ 50˚C) Operating Humidity: 10% ~ 90% Storage Temperature: -4˚F ~ 140˚F (-20˚C ~ 60˚C) Storage Humidity: 10% ~ 90%	
Audio Spec.	- MAX Internal Audio Output Power : Each 10W(Left/Right) - Equalizer : 5band - Output Frequency : RF : 20 Hz ~ 15.4 kHz AV/Componet/HDMI : 20 Hz ~ 20 kHz	
Note: Dolby Digital +, Game Mode, Film Mode, Energy Saving, Anynet+		

Model	UN22C4000PD
Feature	
▶ Digital-TV, RF, 2-HDMI, 1-Component, 1-A/V, 1-USB2.0, D-SUB ▶ Brightness : 400 cd/m2 ▶ High Contrast Ratio : 40,000:1 ▶ Response Time : 4.5ms	

Specifications		
Item	**Description**	
LCD Panel	22inch HD 60Hz	
Scanning Frequency	Horizontal : 60 kHz ~ 73 kHz (Automatic) Vertical : 47 Hz ~ 63 Hz (Automatic)	
Display Colors	16.7M color	
Maximum resolution	Horizontal : 1366 Pixels Vertical : 768 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω, internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock rate	74.25MHz	
Active Display Horizontal/Vertical	18.80 x 10.57 inches (477.417(H) x 268.416(V) mm)	
AC power voltage & Frequency	AC 110V ~ 220V, 60 Hz	
Power Consumption	Under 65W (Under 0.3W, Stand by)	
Dimensions Set (W x D x H)	21.5 x 7.5 x 16.2 inches (545.2 x 189.5 x 411.1 mm)_with stand 21.5 x 1.2 x 14.1 inches (545.2 x 29.9 x 359.0 mm)_without stand	
Weight	12.6 lbs (5.7kg)_with stand 9.0 lbs (4.1kg)_without stand	
TV System	Tunning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	ATSC & Clear QAM
	Sound	NTSC-M, Dolby Digital +
Environmental Considerations	Operating Temperature: 32˚F ~ 122˚F (0˚C ~ 50˚C) Operating Humidity: 10% ~ 90% Storage Temperature: -4˚F ~ 140˚F (-20˚C ~ 60˚C) Storage Humidity: 10% ~ 90%	
Audio Spec.	- MAX Internal Audio Output Power : Each 10W(Left/Right) - Equalizer : 5band - Output Frequency : RF : 20 Hz ~ 15.4 kHz AV/Componet/HDMI : 20 Hz ~ 20 kHz	
Note: Dolby Digital +, Game Mode, Film Mode, Energy Saving, Anynet+		

Model	UN26C4000PD
Feature	
▶ Digital-TV, RF, 2-HDMI, 1-Component, 1-A/V, 1-USB2.0, D-SUB ▶ Brightness : 400 cd/m^2 ▶ High Contrast Ratio : 40,000:1 ▶ Response Time : 4.5ms	

Specifications		
Item	**Description**	
LCD Panel	26inch HD 60Hz	
Scanning Frequency	Horizontal : 60 kHz ~ 73 kHz (Automatic) Vertical : 47 Hz ~ 63 Hz (Automatic)	
Display Colors	16.7M color	
Maximum resolution	Horizontal : 1366 Pixels Vertical : 768 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω , internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock rate	74.25MHz	
Active Display Horizontal/Vertical	22.67 x 12.74 inches (575.769(H) x 323.712(V) mm)	
AC power voltage & Frequency	AC 110V ~ 220V, 60 Hz	
Power Consumption	Under 50W (Under 0.3W, Stand by)	
Dimensions Set (W x D x H)	25.7 x 8.7 x 18.9 inches (652.8 x 222.0 x 479.8 mm)_with stand 25.7 x 1.2 x 16.6 inches (652.8 x 29.9 x 422.8 mm)_without stand	
Weight	21.4 lbs (9.7kg)_with stand 13.7 lbs (6.2kg)_without stand	
TV System	Tunning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	ATSC & Clear QAM
	Sound	NTSC-M, Dolby Digital +
Environmental Considerations	Operating Temperature: 32˚F ~ 122˚F (0˚C ~ 50˚C) Operating Humidity: 10% ~ 90% Storage Temperature: -4˚F ~ 140˚F (-20˚C ~ 60˚C) Storage Humidity: 10% ~ 90%	
Audio Spec.	- MAX Internal Audio Output Power : Each 10W(Left/Right) - Equalizer : 5band - Output Frequency : RF : 20 Hz ~ 15.4 kHz AV/Componet/HDMI : 20 Hz ~ 20 kHz	
Note: Dolby Digital +, Game Mode, Film Mode, Energy Saving, Anynet+		

Model	UN22C4000PX(HD-Ready)
Feature	
▶ Digital-TV, RF, 2-HDMI, 1-Component, 1-A/V, 1-USB2.0, D-SUB ▶ Brightness : 400 cd/m2 ▶ High Contrast Ratio : 40,000:1 ▶ Response Time : 4.5ms	

Specifications		
Item	**Description**	
LCD Panel	22inch HD 60Hz	
Scanning Frequency	Horizontal : 60 kHz ~ 73 kHz (Automatic) Vertical : 47 Hz ~ 63 Hz (Automatic)	
Display Colors	16.7M color	
Maximum resolution	Horizontal : 1366 Pixels Vertical : 768 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω, internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock rate	74.25MHz	
Active Display Horizontal/Vertical	18.80 x 10.57 inches (477.417(H) x 268.416(V) mm)	
AC power voltage & Frequency	AC 110V ~ 220V, 60 Hz	
Power Consumption	Under 65W (Under 0.3W, Stand by)	
Dimensions Set (W x D x H)	21.5 x 7.5 x 16.2 inches (545.2 x 189.5 x 411.1 mm)_with stand 21.5 x 1.2 x 14.1 inches (545.2 x 29.9 x 359.0 mm)_without stand	
Weight	12.6 lbs (5.7kg)_with stand 9.0 lbs (4.1kg)_without stand	
TV System	Tunning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	NTSC
	Sound	NTSC-M
Environmental Considerations	Operating Temperature: 32˚F ~ 122˚F (0˚C ~ 50˚C) Operating Humidity: 10% ~ 90% Storage Temperature: -4˚F ~ 140˚F (-20˚C ~ 60˚C) Storage Humidity: 10% ~ 90%	
Audio Spec.	- MAX Internal Audio Output Power : Each 10W(Left/Right) - Equalizer : 5band - Output Frequency : RF : 20 Hz ~ 15.4 kHz AV/Componet/HDMI : 20 Hz ~ 20 kHz	
Note: Dolby Digital +, Game Mode, Film Mode, Energy Saving, Anynet+		

Model	UN26C4000PX(HD-Ready)
Feature	
▶ Digital-TV, RF, 2-HDMI, 1-Component, 1-A/V, 1-USB2.0, D-SUB ▶ Brightness : 400 cd/m^2 ▶ High Contrast Ratio : 40,000:1 ▶ Response Time : 4.5ms	

Specifications		
Item	**Description**	
LCD Panel	26inch HD 60Hz	
Scanning Frequency	Horizontal : 60 kHz ~ 73 kHz (Automatic) Vertical : 47 Hz ~ 63 Hz (Automatic)	
Display Colors	16.7M color	
Maximum resolution	Horizontal : 1366 Pixels Vertical : 768 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω , internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock rate	74.25MHz	
Active Display Horizontal/Vertical	22.67 x 12.74 inches (575.769(H) x 323.712(V) mm)	
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	System	NTSC
	Sound	NTSC-M
Environmental Considerations	Operating Temperature: 32˚F ~ 122˚F (0˚C ~ 50˚C) Operating Humidity: 10% ~ 90% Storage Temperature: -4˚F ~ 140˚F (-20˚C ~ 60˚C) Storage Humidity: 10% ~ 90%	
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Note: Dolby Digital +, Game Mode, Film Mode, Energy Saving, Anynet+		

■ CHANNEL FREQUENCY TABLE

1. OUTPUT FREQUENCY : ANALOG fv:45.75MHz, fs:41.25MHz DIGITAL Fc:44MHz
2. TUNING STEP SIZE : FIRST PLL 250KHz SECOND PLL 62.5KHz

OSD	CH NO	AIR		BAND	CH NO		BAND	CH NO		CH NO	
		Air-DTV	Air-NTSC			Cable STD			Cable HRC		Cable IRC
1	1							A-8	72.00	A-8	73.25
2	2	57	55.25	V-L	2	55.25	V-L	2	54.00	2	55.25
3	3	63	61.25	V-L	3	61.25	V-L	3	60.00	3	61.25
4	4	69	67.25	V-L	4	67.25	V-L	4	66.00	4	67.25
5	5	79	77.25	V-L	5	77.25	V-L	A-7	78.00	A-7	79.25
6	6	85	83.25	V-L	6	83.25	V-L	A-6	84.00	A-6	85.25
7	7	177	175.25	V-H	7	175.25	V-H	7	174.00	7	175.25
8	8	183	181.25	V-H	8	181.25	V-H	8	180.00	8	181.25
9	9	189	187.25	V-H	9	187.25	V-H	9	186.00	9	187.25
10	10	195	193.25	V-H	10	193.25	V-H	10	192.00	10	193.25
11	11	201	199.25	V-H	11	199.25	V-H	11	198.00	11	199.25
12	12	207	205.25	V-H	12	205.25	V-H	12	204.00	12	205.25
13	13	213	211.25	V-H	13	211.25	V-H	13	210.00	13	211.25
14	14	473	471.25	UHF	A	121.25	MID	A	120.00	A	121.25
15	15	479	477.25	UHF	B	127.25	MID	B	126.00	B	127.25
16	16	485	483.25	UHF	C	133.25	MID	C	132.00	C	133.25
17	17	491	489.25	UHF	D	139.25	MID	D	138.00	D	139.25
18	18	497	495.25	UHF	E	145.25	MID	E	144.00	E	145.25
19	19	503	501.25	UHF	F	151.25	MID	F	150.00	F	151.25
20	20	509	507.25	UHF	G	157.25	MID	G	156.00	G	157.25
21	21	515	513.25	UHF	H	163.25	MID	H	162.00	H	163.25
22	22	521	519.25	UHF	I	169.25	MID	I	168.00	I	169.25
23	23	527	525.25	UHF	J	217.25	SUPER	J	216.00	J	217.25
24	24	533	531.25	UHF	K	223.25	SUPER	K	222.00	K	223.25
25	25	539	537.25	UHF	L	229.25	SUPER	L	228.00	L	229.25
26	26	545	543.25	UHF	M	235.25	SUPER	M	234.00	M	235.25
27	27	551	549.25	UHF	N	241.25	SUPER	N	240.00	N	241.25
28	28	557	555.25	UHF	O	247.25	SUPER	O	246.00	O	247.25
29	29	563	561.25	UHF	P	253.25	SUPER	P	252.00	P	253.25
30	30	569	567.25	UHF	Q	259.25	SUPER	Q	258.00	Q	259.25
31	31	575	573.25	UHF	R	265.25	SUPER	R	264.00	R	265.25
32	32	581	579.25	UHF	S	271.25	SUPER	S	270.00	S	271.25
33	33	587	585.25	UHF	T	277.25	SUPER	T	276.00	T	277.25
34	34	593	591.25	UHF	U	283.25	SUPER	U	282.00	U	283.25
35	35	599	597.25	UHF	V	289.25	SUPER	V	288.00	V	289.25
36	36	605	603.25	UHF	W	295.25	SUPER	W	294.00	W	295.25
37	37	611	609.25	UHF	AA	301.25	HYPER	AA	300.00	AA	301.25
38	38	617	615.25	UHF	BB	307.25	HYPER	BB	306.00	BB	307.25
39	39	623	621.25	UHF	CC	313.25	HYPER	CC	312.00	CC	313.25
40	40	629	627.25	UHF	DD	319.25	HYPER	DD	318.00	DD	319.25
41	41	635	633.25	UHF	EE	325.25	HYPER	EE	324.00	EE	325.25
42	42	641	639.25	UHF	FF	331.25	HYPER	FF	330.00	FF	331.25
43	43	647	645.25	UHF	GG	337.25	HYPER	GG	336.00	GG	337.25
44	44	653	651.25	UHF	HH	343.25	HYPER	HH	342.00	HH	343.25
45	45	659	657.25	UHF	II	349.25	HYPER	II	348.00	II	349.25
46	46	665	663.25	UHF	JJ	355.25	HYPER	JJ	354.00	JJ	355.25
47	47	671	669.25	UHF	KK	361.25	HYPER	KK	360.00	KK	361.25
48	48	677	675.25	UHF	LL	367.25	HYPER	LL	366.00	LL	367.25
49	49	683	681.25	UHF	MM	373.25	HYPER	MM	372.00	MM	373.25
50	50	689	687.25	UHF	NN	379.25	HYPER	NN	378.00	NN	379.25
51	51	695	693.25	UHF	OO	385.25	HYPER	OO	384.00	OO	385.25
52	52	701	699.25	UHF	PP	391.25	HYPER	PP	390.00	PP	391.25
53	53	707	705.25	UHF	QQ	397.25	HYPER	QQ	396.00	QQ	397.25
54	54	713	711.25	UHF	RR	403.25	HYPER	RR	402.00	RR	403.25
55	55	719	717.25	UHF	SS	409.25	HYPER	SS	408.00	SS	409.25
56	56	725	723.25	UHF	TT	415.25	HYPER	TT	414.00	TT	415.25
57	57	731	729.25	UHF	UU	421.25	HYPER	UU	420.00	UU	421.25
58	58	737	735.25	UHF	VV	427.25	HYPER	VV	426.00	VV	427.25
59	59	743	741.25	UHF	WW	433.25	HYPER	WW	432.00	WW	433.25
60	60	749	747.25	UHF	XX	439.25	HYPER	XX	438.00	XX	439.25
61	61	755	753.25	UHF	YY	445.25	HYPER	YY	444.00	YY	445.25
62	62	761	759.25	UHF	ZZ	451.25	HYPER	ZZ	450.00	ZZ	451.25
63	63	767	765.25	UHF	AAA	457.25	HYPER	AAA	456.00	AAA	457.25
64	64	773	771.25	UHF	BBB	463.25	HYPER	BBB	462.00	BBB	463.25
65	65	779	777.25	UHF	CCC	469.25	ULTRA	CCC	468.00	CCC	469.25
66	66	785	783.25	UHF	DDD	475.25	ULTRA	DDD	474.00	DDD	475.25
67	67	791	789.25	UHF	EEE	481.25	ULTRA	EEE	480.00	EEE	481.25
68	68	797	795.25	UHF	FFF	487.25	ULTRA	FFF	486.00	FFF	487.25
69	69	803	801.25	UHF	GGG	493.25	ULTRA	GGG	492.00	GGG	493.25

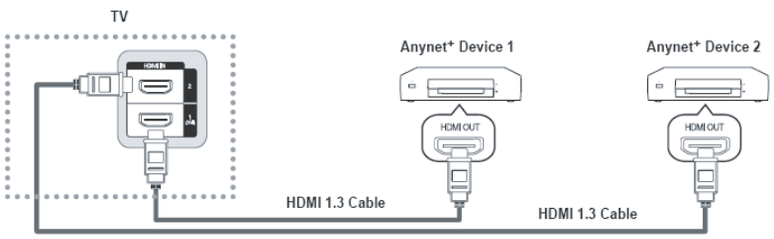
OSD	CH NO	AIR		BAND	CH NO	Cable STD	BAND	CH NO	Cable HRC	CH NO	Cable IRC
		Air-DTV	Air-NTSC								
70	70				HHH	499.25	ULTRA	HHH	498.00	HHH	499.25
71	71				III	505.25	ULTRA	III	504.00	III	505.25
72	72				JJJ	511.25	ULTRA	JJJ	510.00	JJJ	511.25
73	73				KKK	517.25	ULTRA	KKK	516.00	KKK	517.25
74	74				LLL	523.25	ULTRA	LLL	522.00	LLL	523.25
75	75				MMM	529.25	ULTRA	MMM	528.00	MMM	529.25
76	76				NNN	535.25	ULTRA	NNN	534.00	NNN	535.25
77	77				000	541.25	ULTRA	000	540.00	000	541.25
78	78				PPP	547.25	ULTRA	PPP	546.00	PPP	547.25
79	79				79	553.25	ULTRA	79	552.00	79	553.25
80	80				80	559.25	ULTRA	80	558.00	80	559.25
81	81				81	565.25	ULTRA	81	564.00	81	565.25
82	82				82	571.25	ULTRA	82	570.00	82	571.25
83	83				83	577.25	ULTRA	83	576.00	83	577.25
84	84				84	583.25	ULTRA	84	582.00	84	583.25
85	85				85	589.25	ULTRA	85	588.00	85	589.25
86	86				86	595.25	ULTRA	86	594.00	86	595.25
87	87				87	601.25	ULTRA	87	600.00	87	601.25
88	88				88	607.25	ULTRA	88	606.00	88	607.25
89	89				89	613.25	ULTRA	89	612.00	89	613.25
90	90				90	619.25	ULTRA	90	618.00	90	619.25
91	91				91	625.25	ULTRA	91	624.00	91	625.25
92	92				92	631.25	ULTRA	92	630.00	92	631.25
93	93				93	637.25	ULTRA	93	636.00	93	637.25
94	94				94	643.25	ULTRA	94	642.00	94	643.25
95	95				A-5	91.25	FM	A-5	90.00	A-5	91.25
96	96				A-4	97.25	FM	A-4	96.00	A-4	97.25
97	97				A-3	103.25	FM	A-3	102.00	A-3	103.25
98	98				A-2	109.25	MID	A-2	108.00	A-2	109.25
99	99				A-1	115.25	MID	A-1	114.00	A-1	115.25
100	100				100	649.25	ULTRA	100	648.00	100	649.25
101	101				101	655.25	ULTRA	101	654.00	101	655.25
102	102				102	661.25	ULTRA	102	660.00	102	661.25
103	103				103	667.25	ULTRA	103	666.00	103	667.25
104	104				104	673.25	ULTRA	104	672.00	104	673.25
105	105				105	679.25	ULTRA	105	678.00	105	679.25
106	106				106	685.25	ULTRA	106	684.00	106	685.25
107	107				107	691.25	ULTRA	107	690.00	107	691.25
108	108				108	697.25	ULTRA	108	696.00	108	697.25
109	109				109	703.25	ULTRA	109	702.00	109	703.25
110	110				110	709.25	ULTRA	110	708.00	110	709.25
111	111				111	715.25	ULTRA	111	714.00	111	715.25
112	112				112	721.25	ULTRA	112	720.00	112	721.25
113	113				113	727.25	ULTRA	113	726.00	113	727.25
114	114				114	733.25	ULTRA	114	732.00	114	733.25
115	115				115	739.25	ULTRA	115	738.00	115	739.25
116	116				116	745.25	ULTRA	116	744.00	116	745.25
.	.				.	.	.	.	.	.	.
.	.				.	.	.	.	.	.	.
125	125				125	799.25	ULTRA	125	798.00	125	799.25
.	.				.	.	.	.	.	.	.

2-2. New Features explanation

■ Connecting Anynet+ Devices

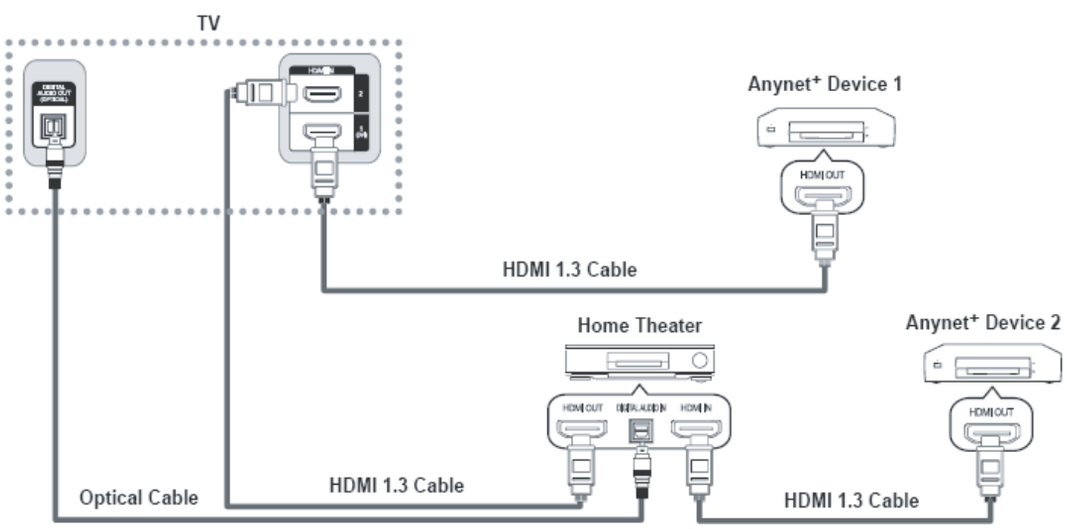
Anynet+ is a function that enables you to control all connected Samsung devices that support Anynet+ with your Samsung TV's remote.
The Anynet+ system can be used only with Samsung devices that have the Anynet+ feature. To be sure your Samsung device has this feature, check if there is an Anynet+ logo on it.

To connect to a TV



1. Connect the HDMI IN 1(DVI), 2 jack on the TV and the HDMI OUT jack of the corresponding Anynet+ device using an HDMI cable.

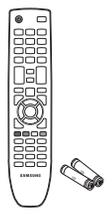
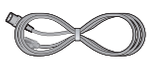
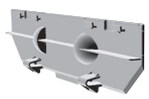
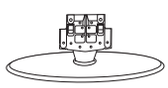
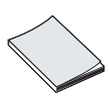
To connect to Home Theater



1. Connect the HDMI IN 1(DVI), 2 jack on the TV and the HDMI OUT jack of the corresponding Anynet+ device using an HDMI cable.
2. Connect the HDMI IN jack of the home theater and the HDMI OUT jack of the corresponding Anynet+ device using an HDMI cable.

- Connect the Optical cable between the DIGITAL AUDIO OUT (OPTICAL) jack on your TV and the Digital Audio Input on the Home Theater.
- When following the connection above, the Optical jack only outputs 2 channel audio. You will only hear sound from the Home Theater's Front Left and Right speakers and the subwoofer. If you want to hear 5.1 channel audio, connect the DIGITAL AUDIO OUT (OPTICAL) jack on the DVD / Satellite Box (ie Anynet Device 1 or 2) directly to the Amplifi er or Home Theater, not the TV.
- Connect only one Home Theater.
- You can connect an Anynet+ device using the HDMI 1.3 cable. Some HDMI cables may not support Anynet+ functions.
- Anynet+ works when the AV device supporting Anynet+ is in the Standby or On status.
- Anynet+ supports up to 12 AV devices in total. Note that you can connect up to 3 devices of the same type.

2-3. Accessories

Product	Description	Code. No	Remark
	Remote Control & Batteries (AAA x 2)	26" : BN59-00996A C4000 HD-Ready 22"/26 : BN59-01018A	Samsung Electronics Service center
	Power Cord	3903-00467	
	Cover-Bottom	26" : BN63-06542B 22"/19" : BN96-10168C	
	Stand	26" : BN96-13156A 22"/19" : BN96-10168C	
	Screw (for the stand - M4, L6)	6003-000133	
	Owner’s Instructions	BN68-02624A	
	Warranty Card / Registration Card / Safety Guide Manual (Not available in all locations)		

2. Product specifications

2-1. Feature & Specifications

Model	UN19C4000PD
Feature	
▶ Digital-TV, RF, 2-HDMI, 1-Component, 1-A/V, 1-USB2.0, D-SUB ▶ Brightness : 300cd/m^2 ▶ High Contrast Ratio : 40,000:1 ▶ Response Time : 5ms	

Specifications		
Item	**Description**	
LCD Panel	19inch HD 60Hz	
Scanning Frequency	Horizontal : 60 kHz ~ 73 kHz (Automatic) Vertical : 47 Hz ~ 63 Hz (Automatic)	
Display Colors	16.7M color	
Maximum resolution	Horizontal : 1366 Pixels Vertical : 768 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω , internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock rate	74.25MHz	
Active Display Horizontal/Vertical	16.13 x 9.07 inches (409.8(H) x 230.4(V) mm)	
AC power voltage & Frequency	AC 110V ~ 220V, 60 Hz	
Power Consumption	Under 40W (Under 0.3W, Stand by)	
Dimensions Set (W x D x H)	18.8 x 7.5 x 14.7 inchs (477.6 x 189.6 x 374.1 mm)_with stand 18.8 x 1.2 x 12.6 inchs (477.6 x 29.9 x 320.6 mm)_without stand	
Weight	8.64 lbs (3.92kg)_with stand 7.89 lbs (3.58kg)_without stand	
TV System	Tunning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	ATSC & Clear QAM
	Sound	NTSC-M, Dolby Digital +
Environmental Considerations	Operating Temperature: 32˚F ~ 122˚F (0˚C ~ 50˚C) Operating Humidity: 10% ~ 90% Storage Temperature: -4˚F ~ 140˚F (-20˚C ~ 60˚C) Storage Humidity: 10% ~ 90%	
Audio Spec.	- MAX Internal Audio Output Power : Each 10W(Left/Right) - Equalizer : 5band - Output Frequency : RF : 20 Hz ~ 15.4 kHz AV/Componet/HDMI : 20 Hz ~ 20 kHz	
Note: Dolby Digital +, Game Mode, Film Mode, Energy Saving, Anynet+		

Model	UN22C4000PD
Feature	
▶ Digital-TV, RF, 2-HDMI, 1-Component, 1-A/V, 1-USB2.0, D-SUB ▶ Brightness : 400 cd/m2 ▶ High Contrast Ratio : 40,000:1 ▶ Response Time : 4.5ms	

Specifications		
Item	**Description**	
LCD Panel	22inch HD 60Hz	
Scanning Frequency	Horizontal : 60 kHz ~ 73 kHz (Automatic) Vertical : 47 Hz ~ 63 Hz (Automatic)	
Display Colors	16.7M color	
Maximum resolution	Horizontal : 1366 Pixels Vertical : 768 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω, internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock rate	74.25MHz	
Active Display Horizontal/Vertical	18.80 x 10.57 inches (477.417(H) x 268.416(V) mm)	
AC power voltage & Frequency	AC 110V ~ 220V, 60 Hz	
Power Consumption	Under 65W (Under 0.3W, Stand by)	
Dimensions Set (W x D x H)	21.5 x 7.5 x 16.2 inches (545.2 x 189.5 x 411.1 mm)_with stand 21.5 x 1.2 x 14.1 inches (545.2 x 29.9 x 359.0 mm)_without stand	
Weight	12.6 lbs (5.7kg)_with stand 9.0 lbs (4.1kg)_without stand	
TV System	Tunning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	ATSC & Clear QAM
	Sound	NTSC-M, Dolby Digital +
Environmental Considerations	Operating Temperature: 32˚F ~ 122˚F (0˚C ~ 50˚C) Operating Humidity: 10% ~ 90% Storage Temperature: -4˚F ~ 140˚F (-20˚C ~ 60˚C) Storage Humidity: 10% ~ 90%	
Audio Spec.	- MAX Internal Audio Output Power : Each 10W(Left/Right) - Equalizer : 5band - Output Frequency : RF : 20 Hz ~ 15.4 kHz AV/Componet/HDMI : 20 Hz ~ 20 kHz	
Note: Dolby Digital +, Game Mode, Film Mode, Energy Saving, Anynet+		

Model	UN26C4000PD
Feature	
▶ Digital-TV, RF, 2-HDMI, 1-Component, 1-A/V, 1-USB2.0, D-SUB ▶ Brightness : 400 cd/m^2 ▶ High Contrast Ratio : 40,000:1 ▶ Response Time : 4.5ms	

Specifications		
Item	**Description**	
LCD Panel	26inch HD 60Hz	
Scanning Frequency	Horizontal : 60 kHz ~ 73 kHz (Automatic) Vertical : 47 Hz ~ 63 Hz (Automatic)	
Display Colors	16.7M color	
Maximum resolution	Horizontal : 1366 Pixels Vertical : 768 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω , internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock rate	74.25MHz	
Active Display Horizontal/Vertical	22.67 x 12.74 inches (575.769(H) x 323.712(V) mm)	
AC power voltage & Frequency	AC 110V ~ 220V, 60 Hz	
Power Consumption	Under 50W (Under 0.3W, Stand by)	
Dimensions Set (W x D x H)	25.7 x 8.7 x 18.9 inches (652.8 x 222.0 x 479.8 mm)_with stand 25.7 x 1.2 x 16.6 inches (652.8 x 29.9 x 422.8 mm)_without stand	
Weight	21.4 lbs (9.7kg)_with stand 13.7 lbs (6.2kg)_without stand	
TV System	Tunning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	ATSC & Clear QAM
	Sound	NTSC-M, Dolby Digital +
Environmental Considerations	Operating Temperature: 32˚F ~ 122˚F (0˚C ~ 50˚C) Operating Humidity: 10% ~ 90% Storage Temperature: -4˚F ~ 140˚F (-20˚C ~ 60˚C) Storage Humidity: 10% ~ 90%	
Audio Spec.	- MAX Internal Audio Output Power : Each 10W(Left/Right) - Equalizer : 5band - Output Frequency : RF : 20 Hz ~ 15.4 kHz AV/Componet/HDMI : 20 Hz ~ 20 kHz	
Note: Dolby Digital +, Game Mode, Film Mode, Energy Saving, Anynet+		

Model	UN22C4000PX(HD-Ready)
Feature	
▶ Digital-TV, RF, 2-HDMI, 1-Component, 1-A/V, 1-USB2.0, D-SUB ▶ Brightness : 400 cd/m2 ▶ High Contrast Ratio : 40,000:1 ▶ Response Time : 4.5ms	

Specifications		
Item	**Description**	
LCD Panel	22inch HD 60Hz	
Scanning Frequency	Horizontal : 60 kHz ~ 73 kHz (Automatic) Vertical : 47 Hz ~ 63 Hz (Automatic)	
Display Colors	16.7M color	
Maximum resolution	Horizontal : 1366 Pixels Vertical : 768 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω, internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock rate	74.25MHz	
Active Display Horizontal/Vertical	18.80 x 10.57 inches (477.417(H) x 268.416(V) mm)	
AC power voltage & Frequency	AC 110V ~ 220V, 60 Hz	
Power Consumption	Under 65W (Under 0.3W, Stand by)	
Dimensions Set (W x D x H)	21.5 x 7.5 x 16.2 inches (545.2 x 189.5 x 411.1 mm)_with stand 21.5 x 1.2 x 14.1 inches (545.2 x 29.9 x 359.0 mm)_without stand	
Weight	12.6 lbs (5.7kg)_with stand 9.0 lbs (4.1kg)_without stand	
TV System	Tunning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	NTSC
	Sound	NTSC-M
Environmental Considerations	Operating Temperature: 32˚F ~ 122˚F (0˚C ~ 50˚C) Operating Humidity: 10% ~ 90% Storage Temperature: -4˚F ~ 140˚F (-20˚C ~ 60˚C) Storage Humidity: 10% ~ 90%	
Audio Spec.	- MAX Internal Audio Output Power : Each 10W(Left/Right) - Equalizer : 5band - Output Frequency : RF : 20 Hz ~ 15.4 kHz AV/Componet/HDMI : 20 Hz ~ 20 kHz	
Note: Dolby Digital +, Game Mode, Film Mode, Energy Saving, Anynet+		

Model	UN26C4000PX(HD-Ready)
Feature	
▶ Digital-TV, RF, 2-HDMI, 1-Component, 1-A/V, 1-USB2.0, D-SUB ▶ Brightness : 400 cd/m^2 ▶ High Contrast Ratio : 40,000:1 ▶ Response Time : 4.5ms	

Specifications		
Item	**Description**	
LCD Panel	26inch HD 60Hz	
Scanning Frequency	Horizontal : 60 kHz ~ 73 kHz (Automatic) Vertical : 47 Hz ~ 63 Hz (Automatic)	
Display Colors	16.7M color	
Maximum resolution	Horizontal : 1366 Pixels Vertical : 768 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω , internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock rate	74.25MHz	
Active Display Horizontal/Vertical	22.67 x 12.74 inches (575.769(H) x 323.712(V) mm)	
AC power voltage & Frequency	AC 110V ~ 220V, 60 Hz	
Power Consumption	Under 50W (Under 0.3W, Stand by)	
Dimensions Set (W x D x H)	25.7 x 8.7 x 18.9 inches (652.8 x 222.0 x 479.8 mm)_with stand 25.7 x 1.2 x 16.6 inches (652.8 x 29.9 x 422.8 mm)_without stand	
Weight	21.4 lbs (9.7kg)_with stand 13.7 lbs (6.2kg)_without stand	
TV System	Tunning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	NTSC
	Sound	NTSC-M
Environmental Considerations	Operating Temperature: 32˚F ~ 122˚F (0˚C ~ 50˚C) Operating Humidity: 10% ~ 90% Storage Temperature: -4˚F ~ 140˚F (-20˚C ~ 60˚C) Storage Humidity: 10% ~ 90%	
Audio Spec.	- MAX Internal Audio Output Power : Each 10W(Left/Right) - Equalizer : 5band - Output Frequency : RF : 20 Hz ~ 15.4 kHz AV/Componet/HDMI : 20 Hz ~ 20 kHz	
Note: Dolby Digital +, Game Mode, Film Mode, Energy Saving, Anynet+		

■ CHANNEL FREQUENCY TABLE

1. OUTPUT FREQUENCY : ANALOG fv:45.75MHz, fs:41.25MHz DIGITAL Fc:44MHz
2. TUNING STEP SIZE : FIRST PLL 250KHz SECOND PLL 62.5KHz

OSD	CH NO	AIR		BAND	CH NO		BAND	CH NO		CH NO	
		Air-DTV	Air-NTSC			Cable STD			Cable HRC		Cable IRC
1	1							A-8	72.00	A-8	73.25
2	2	57	55.25	V-L	2	55.25	V-L	2	54.00	2	55.25
3	3	63	61.25	V-L	3	61.25	V-L	3	60.00	3	61.25
4	4	69	67.25	V-L	4	67.25	V-L	4	66.00	4	67.25
5	5	79	77.25	V-L	5	77.25	V-L	A-7	78.00	A-7	79.25
6	6	85	83.25	V-L	6	83.25	V-L	A-6	84.00	A-6	85.25
7	7	177	175.25	V-H	7	175.25	V-H	7	174.00	7	175.25
8	8	183	181.25	V-H	8	181.25	V-H	8	180.00	8	181.25
9	9	189	187.25	V-H	9	187.25	V-H	9	186.00	9	187.25
10	10	195	193.25	V-H	10	193.25	V-H	10	192.00	10	193.25
11	11	201	199.25	V-H	11	199.25	V-H	11	198.00	11	199.25
12	12	207	205.25	V-H	12	205.25	V-H	12	204.00	12	205.25
13	13	213	211.25	V-H	13	211.25	V-H	13	210.00	13	211.25
14	14	473	471.25	UHF	A	121.25	MID	A	120.00	A	121.25
15	15	479	477.25	UHF	B	127.25	MID	B	126.00	B	127.25
16	16	485	483.25	UHF	C	133.25	MID	C	132.00	C	133.25
17	17	491	489.25	UHF	D	139.25	MID	D	138.00	D	139.25
18	18	497	495.25	UHF	E	145.25	MID	E	144.00	E	145.25
19	19	503	501.25	UHF	F	151.25	MID	F	150.00	F	151.25
20	20	509	507.25	UHF	G	157.25	MID	G	156.00	G	157.25
21	21	515	513.25	UHF	H	163.25	MID	H	162.00	H	163.25
22	22	521	519.25	UHF	I	169.25	MID	I	168.00	I	169.25
23	23	527	525.25	UHF	J	217.25	SUPER	J	216.00	J	217.25
24	24	533	531.25	UHF	K	223.25	SUPER	K	222.00	K	223.25
25	25	539	537.25	UHF	L	229.25	SUPER	L	228.00	L	229.25
26	26	545	543.25	UHF	M	235.25	SUPER	M	234.00	M	235.25
27	27	551	549.25	UHF	N	241.25	SUPER	N	240.00	N	241.25
28	28	557	555.25	UHF	O	247.25	SUPER	O	246.00	O	247.25
29	29	563	561.25	UHF	P	253.25	SUPER	P	252.00	P	253.25
30	30	569	567.25	UHF	Q	259.25	SUPER	Q	258.00	Q	259.25
31	31	575	573.25	UHF	R	265.25	SUPER	R	264.00	R	265.25
32	32	581	579.25	UHF	S	271.25	SUPER	S	270.00	S	271.25
33	33	587	585.25	UHF	T	277.25	SUPER	T	276.00	T	277.25
34	34	593	591.25	UHF	U	283.25	SUPER	U	282.00	U	283.25
35	35	599	597.25	UHF	V	289.25	SUPER	V	288.00	V	289.25
36	36	605	603.25	UHF	W	295.25	SUPER	W	294.00	W	295.25
37	37	611	609.25	UHF	AA	301.25	HYPER	AA	300.00	AA	301.25
38	38	617	615.25	UHF	BB	307.25	HYPER	BB	306.00	BB	307.25
39	39	623	621.25	UHF	CC	313.25	HYPER	CC	312.00	CC	313.25
40	40	629	627.25	UHF	DD	319.25	HYPER	DD	318.00	DD	319.25
41	41	635	633.25	UHF	EE	325.25	HYPER	EE	324.00	EE	325.25
42	42	641	639.25	UHF	FF	331.25	HYPER	FF	330.00	FF	331.25
43	43	647	645.25	UHF	GG	337.25	HYPER	GG	336.00	GG	337.25
44	44	653	651.25	UHF	HH	343.25	HYPER	HH	342.00	HH	343.25
45	45	659	657.25	UHF	II	349.25	HYPER	II	348.00	II	349.25
46	46	665	663.25	UHF	JJ	355.25	HYPER	JJ	354.00	JJ	355.25
47	47	671	669.25	UHF	KK	361.25	HYPER	KK	360.00	KK	361.25
48	48	677	675.25	UHF	LL	367.25	HYPER	LL	366.00	LL	367.25
49	49	683	681.25	UHF	MM	373.25	HYPER	MM	372.00	MM	373.25
50	50	689	687.25	UHF	NN	379.25	HYPER	NN	378.00	NN	379.25
51	51	695	693.25	UHF	OO	385.25	HYPER	OO	384.00	OO	385.25
52	52	701	699.25	UHF	PP	391.25	HYPER	PP	390.00	PP	391.25
53	53	707	705.25	UHF	QQ	397.25	HYPER	QQ	396.00	QQ	397.25
54	54	713	711.25	UHF	RR	403.25	HYPER	RR	402.00	RR	403.25
55	55	719	717.25	UHF	SS	409.25	HYPER	SS	408.00	SS	409.25
56	56	725	723.25	UHF	TT	415.25	HYPER	TT	414.00	TT	415.25
57	57	731	729.25	UHF	UU	421.25	HYPER	UU	420.00	UU	421.25
58	58	737	735.25	UHF	VV	427.25	HYPER	VV	426.00	VV	427.25
59	59	743	741.25	UHF	WW	433.25	HYPER	WW	432.00	WW	433.25
60	60	749	747.25	UHF	XX	439.25	HYPER	XX	438.00	XX	439.25
61	61	755	753.25	UHF	YY	445.25	HYPER	YY	444.00	YY	445.25
62	62	761	759.25	UHF	ZZ	451.25	HYPER	ZZ	450.00	ZZ	451.25
63	63	767	765.25	UHF	AAA	457.25	HYPER	AAA	456.00	AAA	457.25
64	64	773	771.25	UHF	BBB	463.25	HYPER	BBB	462.00	BBB	463.25
65	65	779	777.25	UHF	CCC	469.25	ULTRA	CCC	468.00	CCC	469.25
66	66	785	783.25	UHF	DDD	475.25	ULTRA	DDD	474.00	DDD	475.25
67	67	791	789.25	UHF	EEE	481.25	ULTRA	EEE	480.00	EEE	481.25
68	68	797	795.25	UHF	FFF	487.25	ULTRA	FFF	486.00	FFF	487.25
69	69	803	801.25	UHF	GGG	493.25	ULTRA	GGG	492.00	GGG	493.25

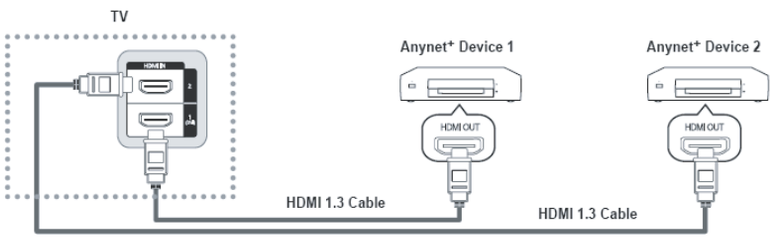
OSD	CH NO	AIR		BAND	CH NO	Cable STD	BAND	CH NO	Cable HRC	CH NO	Cable IRC
		Air-DTV	Air-NTSC								
70	70				HHH	499.25	ULTRA	HHH	498.00	HHH	499.25
71	71				III	505.25	ULTRA	III	504.00	III	505.25
72	72				JJJ	511.25	ULTRA	JJJ	510.00	JJJ	511.25
73	73				KKK	517.25	ULTRA	KKK	516.00	KKK	517.25
74	74				LLL	523.25	ULTRA	LLL	522.00	LLL	523.25
75	75				MMM	529.25	ULTRA	MMM	528.00	MMM	529.25
76	76				NNN	535.25	ULTRA	NNN	534.00	NNN	535.25
77	77				000	541.25	ULTRA	000	540.00	000	541.25
78	78				PPP	547.25	ULTRA	PPP	546.00	PPP	547.25
79	79				79	553.25	ULTRA	79	552.00	79	553.25
80	80				80	559.25	ULTRA	80	558.00	80	559.25
81	81				81	565.25	ULTRA	81	564.00	81	565.25
82	82				82	571.25	ULTRA	82	570.00	82	571.25
83	83				83	577.25	ULTRA	83	576.00	83	577.25
84	84				84	583.25	ULTRA	84	582.00	84	583.25
85	85				85	589.25	ULTRA	85	588.00	85	589.25
86	86				86	595.25	ULTRA	86	594.00	86	595.25
87	87				87	601.25	ULTRA	87	600.00	87	601.25
88	88				88	607.25	ULTRA	88	606.00	88	607.25
89	89				89	613.25	ULTRA	89	612.00	89	613.25
90	90				90	619.25	ULTRA	90	618.00	90	619.25
91	91				91	625.25	ULTRA	91	624.00	91	625.25
92	92				92	631.25	ULTRA	92	630.00	92	631.25
93	93				93	637.25	ULTRA	93	636.00	93	637.25
94	94				94	643.25	ULTRA	94	642.00	94	643.25
95	95				A-5	91.25	FM	A-5	90.00	A-5	91.25
96	96				A-4	97.25	FM	A-4	96.00	A-4	97.25
97	97				A-3	103.25	FM	A-3	102.00	A-3	103.25
98	98				A-2	109.25	MID	A-2	108.00	A-2	109.25
99	99				A-1	115.25	MID	A-1	114.00	A-1	115.25
100	100				100	649.25	ULTRA	100	648.00	100	649.25
101	101				101	655.25	ULTRA	101	654.00	101	655.25
102	102				102	661.25	ULTRA	102	660.00	102	661.25
103	103				103	667.25	ULTRA	103	666.00	103	667.25
104	104				104	673.25	ULTRA	104	672.00	104	673.25
105	105				105	679.25	ULTRA	105	678.00	105	679.25
106	106				106	685.25	ULTRA	106	684.00	106	685.25
107	107				107	691.25	ULTRA	107	690.00	107	691.25
108	108				108	697.25	ULTRA	108	696.00	108	697.25
109	109				109	703.25	ULTRA	109	702.00	109	703.25
110	110				110	709.25	ULTRA	110	708.00	110	709.25
111	111				111	715.25	ULTRA	111	714.00	111	715.25
112	112				112	721.25	ULTRA	112	720.00	112	721.25
113	113				113	727.25	ULTRA	113	726.00	113	727.25
114	114				114	733.25	ULTRA	114	732.00	114	733.25
115	115				115	739.25	ULTRA	115	738.00	115	739.25
116	116				116	745.25	ULTRA	116	744.00	116	745.25
.	.				.	.	.	.	.	.	.
.	.				.	.	.	.	.	.	.
125	125				125	799.25	ULTRA	125	798.00	125	799.25
.	.				.	.	.	.	.	.	.

2-2. New Features explanation

■ Connecting Anynet+ Devices

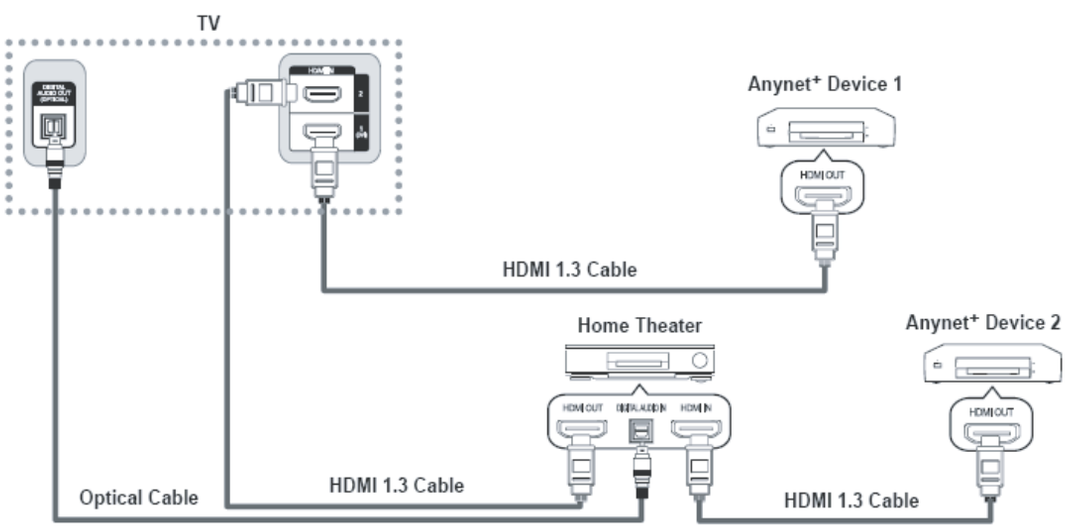
Anynet+ is a function that enables you to control all connected Samsung devices that support Anynet+ with your Samsung TV's remote.
The Anynet+ system can be used only with Samsung devices that have the Anynet+ feature. To be sure your Samsung device has this feature, check if there is an Anynet+ logo on it.

To connect to a TV



1. Connect the HDMI IN 1(DVI), 2 jack on the TV and the HDMI OUT jack of the corresponding Anynet+ device using an HDMI cable.

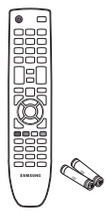
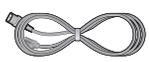
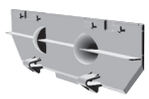
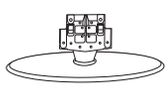
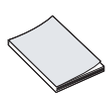
To connect to Home Theater



1. Connect the HDMI IN 1(DVI), 2 jack on the TV and the HDMI OUT jack of the corresponding Anynet+ device using an HDMI cable.
2. Connect the HDMI IN jack of the home theater and the HDMI OUT jack of the corresponding Anynet+ device using an HDMI cable.

- Connect the Optical cable between the DIGITAL AUDIO OUT (OPTICAL) jack on your TV and the Digital Audio Input on the Home Theater.
- When following the connection above, the Optical jack only outputs 2 channel audio. You will only hear sound from the Home Theater's Front Left and Right speakers and the subwoofer. If you want to hear 5.1 channel audio, connect the DIGITAL AUDIO OUT (OPTICAL) jack on the DVD / Satellite Box (ie Anynet Device 1 or 2) directly to the Amplifi er or Home Theater, not the TV.
- Connect only one Home Theater.
- You can connect an Anynet+ device using the HDMI 1.3 cable. Some HDMI cables may not support Anynet+ functions.
- Anynet+ works when the AV device supporting Anynet+ is in the Standby or On status.
- Anynet+ supports up to 12 AV devices in total. Note that you can connect up to 3 devices of the same type.

2-3. Accessories

Product	Description	Code. No	Remark
	Remote Control & Batteries (AAA x 2)	26" : BN59-00996A C4000 HD-Ready 22"/26 : BN59-01018A	Samsung Electronics Service center
	Power Cord	3903-00467	
	Cover-Bottom	26" : BN63-06542B 22"/19" : BN96-10168C	
	Stand	26" : BN96-13156A 22"/19" : BN96-10168C	
	Screw (for the stand - M4, L6)	6003-000133	
	Owner’s Instructions	BN68-02624A	
	Warranty Card / Registration Card / Safety Guide Manual (Not available in all locations)		

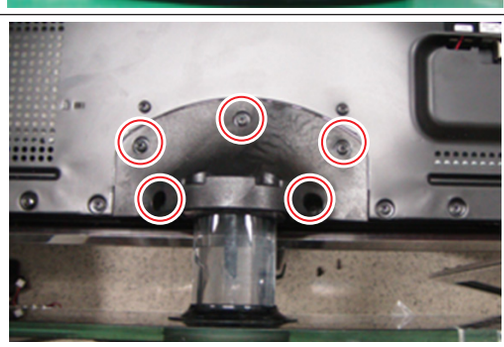
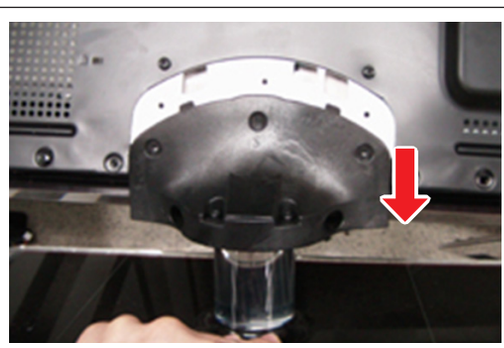
3. Disassembly and Reassembly

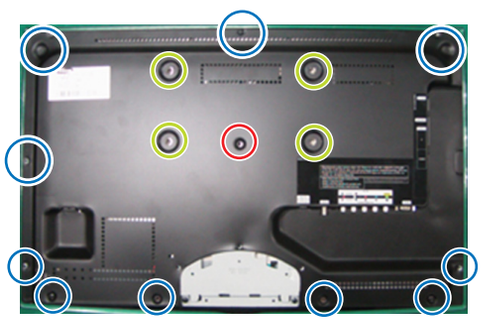
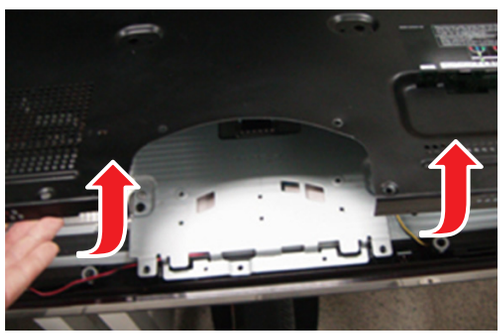
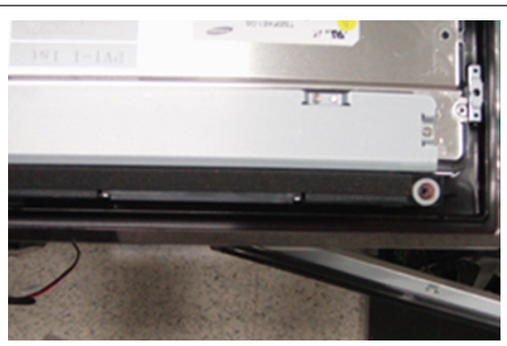
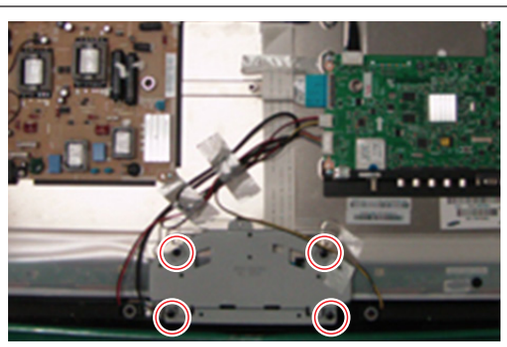
This section of the service manual describes the disassembly and reassembly procedures for the UN26C4000PD LCD TV.

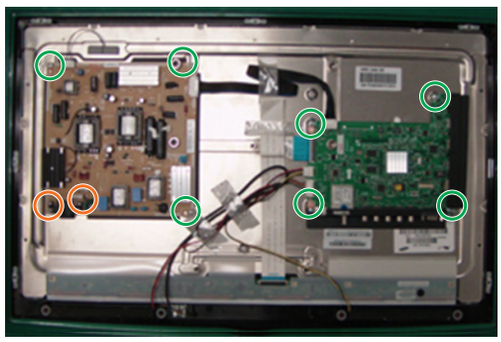
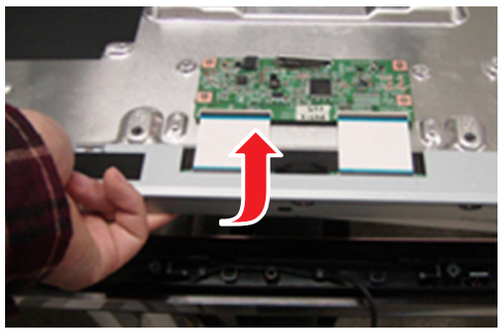
⚠ **WARNING:** This LCD TV contains electrostatically sensitive devices. Use caution when handling these components.

3-1. Disassembly and Reassembly

⚠ **Cautions:** 1. Disconnect the LCD TV from the power source before disassembly.
2. Follow these directions carefully; never use metal instruments to pry apart the cabinet.

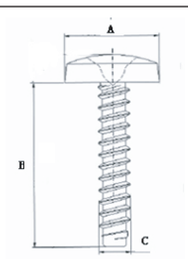
Description	Picture Description	Screws
1. To remove the stand Place monitor face down on cushioned table. Remove 5 (19"/22" 3 screws) screws from the stand. Remove stand. **For 19"/22"** You can take the rear cover off without removing stand.		
		 6003-000133
		

Description	Picture Description	Screws
2. **26" C4000 :** Remove the 11 screws of rear-cover. **19"/22" C4000 :** Remove the 10 screws of rear-cover. ○ : You can take the rear cover off without removing these screws.		 6003-000133 6003-001003
3. Lift up the rear-cover.		
4. Remove the left and right speaker.		
5. Lift up the stand link. Remove the 4 screws of bracket stand link.		 6003-000133

Description	Picture Description	Screws
6. Remove the 4 screws of main board and 5 screws of IP board.		6001-002283 6001-000321
7. Lift up the panel.		

※ Reassembly procedures are in the reverse order of disassembly procedures.

Screw Size

Code No.	A (mm)	B (mm)	C (mm)	Q'ty	
6003-001003	8.3~8.4	12~ 12.4	4~4.15	19"/22"/26" : 10EA	
6003-000133	8.3~8.4	7.9~8.3	3.70~3.83	26" : 5EA, 22"/19" : 4EA	
6001-002283	6.3~6.5	5.0~5.6	2.87~2.98	19"/22"/26" : 7EA	
6001-000321	5.5~6.5	9.5~10.0	2.89~2.98	19"/22"/26" : 2EA	

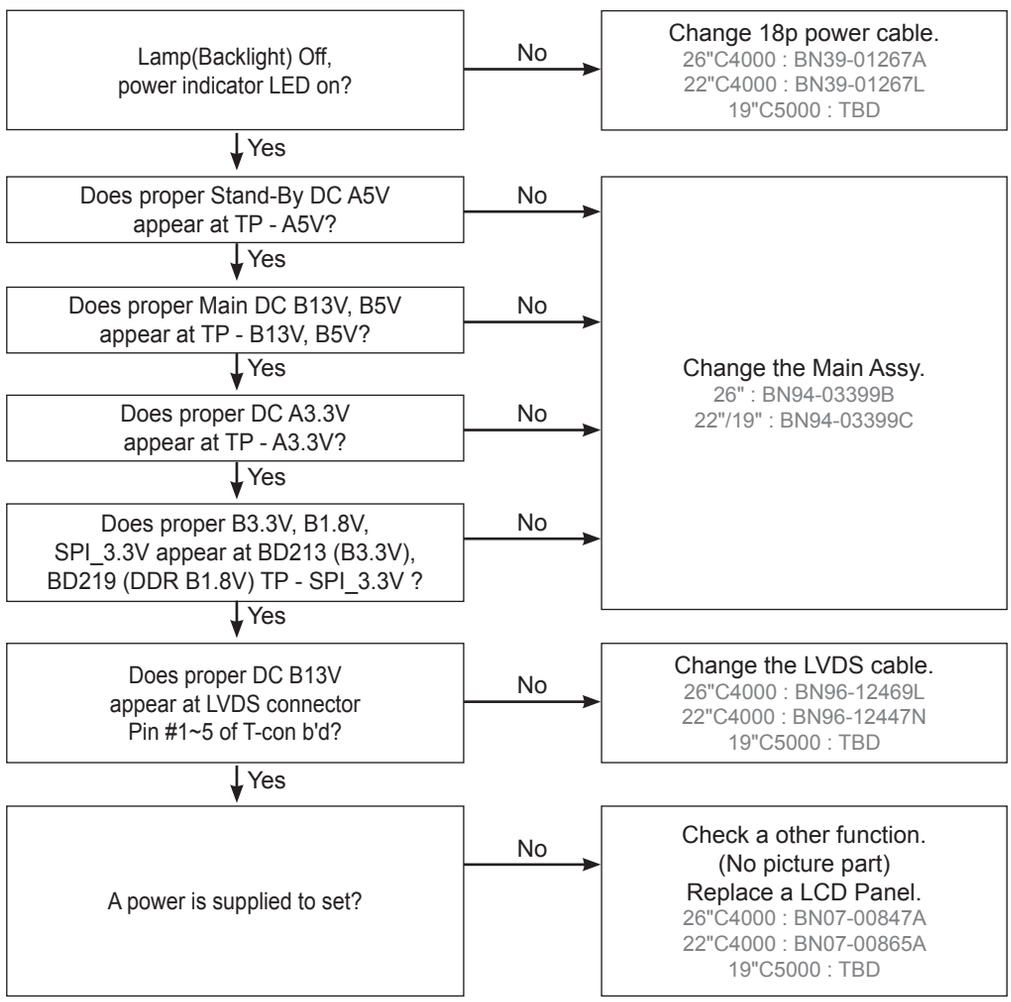
4. Troubleshooting

4-1. Troubleshooting

4-1-1. Previous check

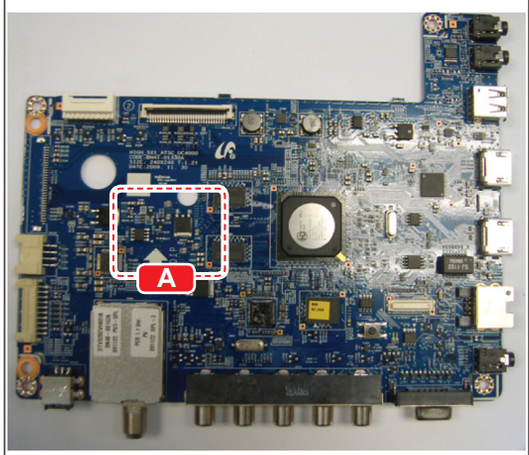
1. Check the various cable connections first.
   - Check to see if any cables are damaged or burnt.
   - Check to see if there is a disconnected or loose cable connection.
   - Check to see if the cables are connected according to the connection diagram.
2. Check the power input to the Main Board.

4-1-2. No Power

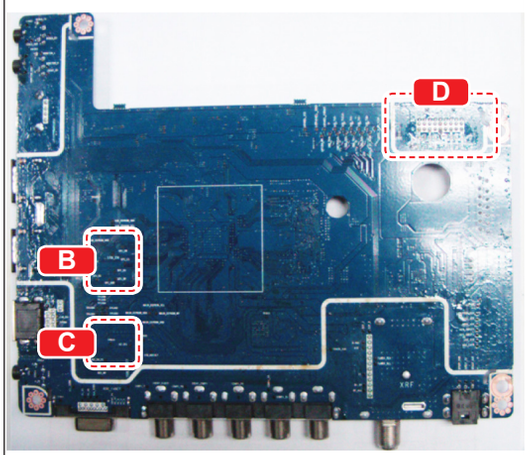
Symptom	– The LEDs on the front panel do not work when connecting the power cord. – The SMPS relay does not work when connecting the power cord. – The units appears to be dead.
Major checkpoints	The IP relay or the LEDs on the front panel does not work when connecting the power cord if the cables are improperly connected or the Main Board or SMPS is not functioning. In this case, check the following: – Check the internal cable connection status inside the unit. – Check the fuses of each part. – Check the output voltage of SMPS. – Replace the Main Board.
Diagnostics	
Caution	Make sure to disconnect the power before working on the IP board.

Location (Main)

TOP

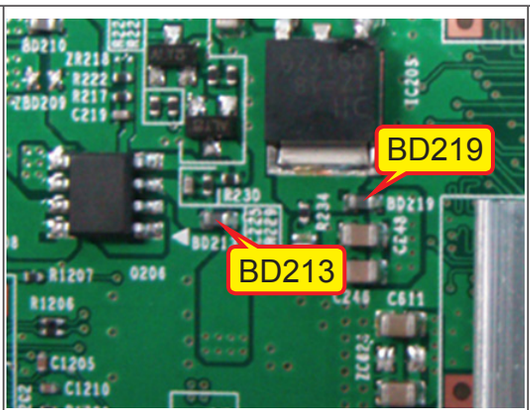


BOTTOM

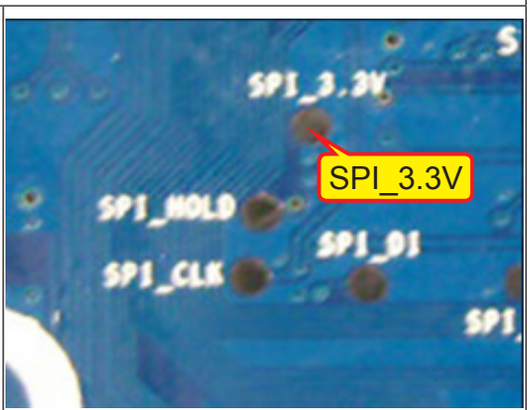


Detail

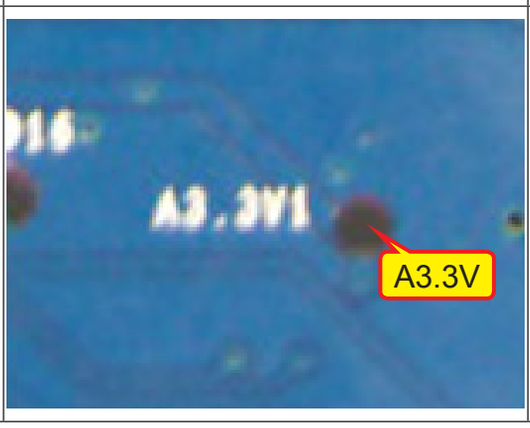
A



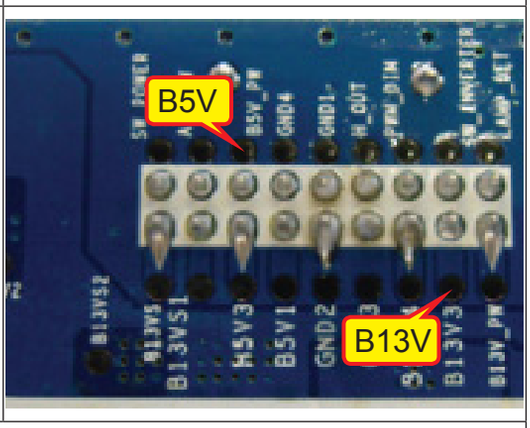
B



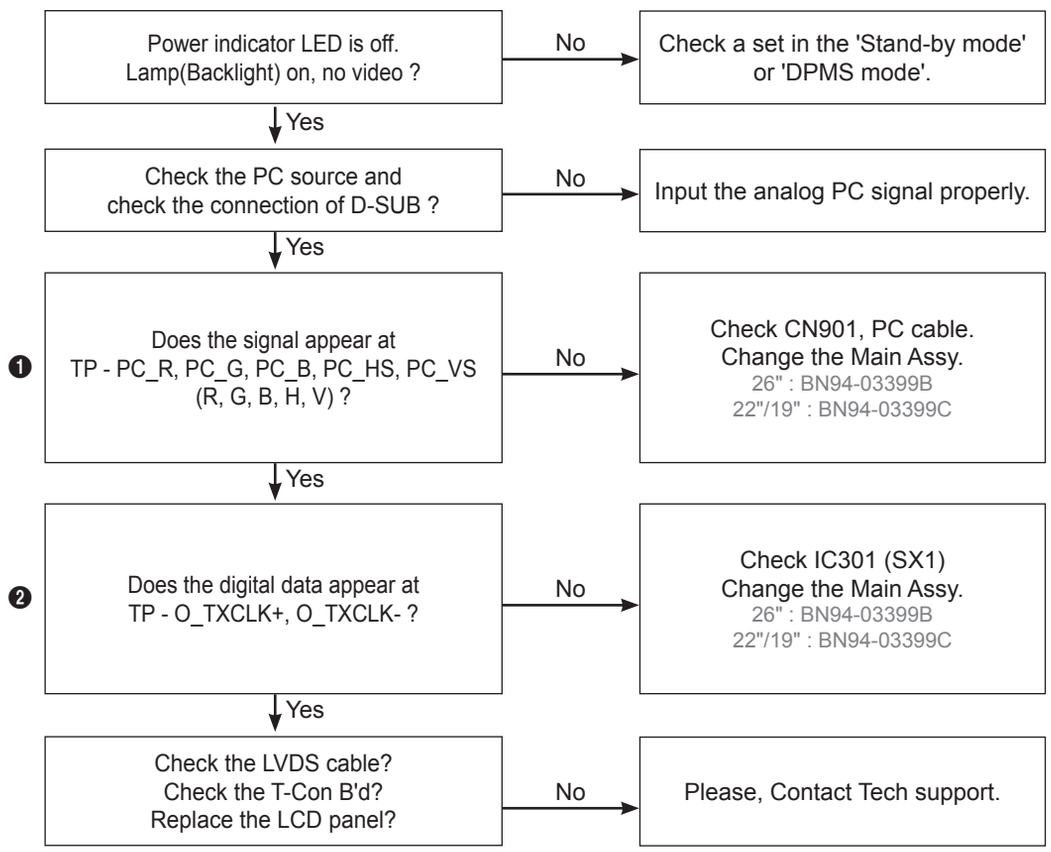
C



D

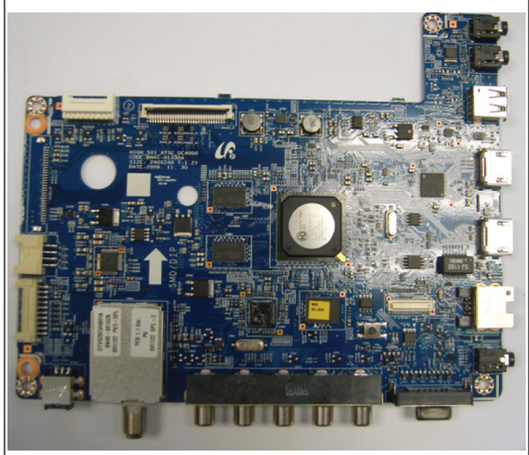


4-1-3. No Video (Analog PC signal)

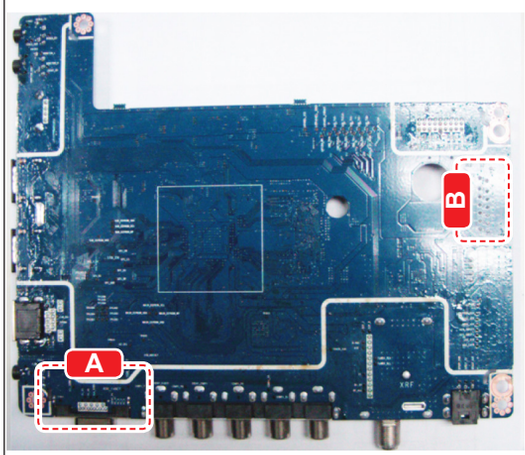
Symptom	– Audio is normal but no picture is displayed on the screen.
Major checkpoints	– Check the PC source – Check the Arsenal, Check the Chelsea. – This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.
Diagnostics	
Caution	Make sure to disconnect the power before working on the IP board.

Location (Main)

TOP

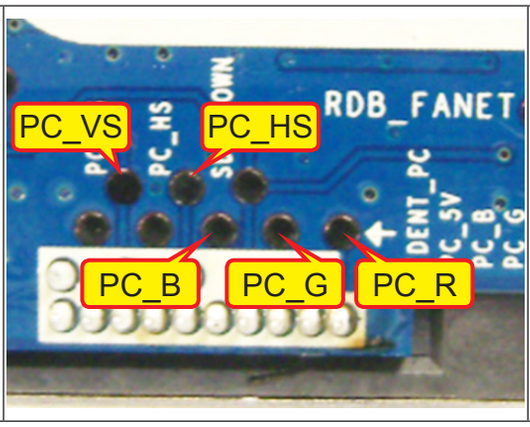


BOTTOM

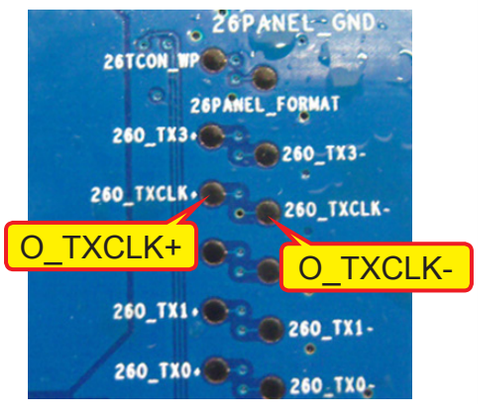


Detail

A

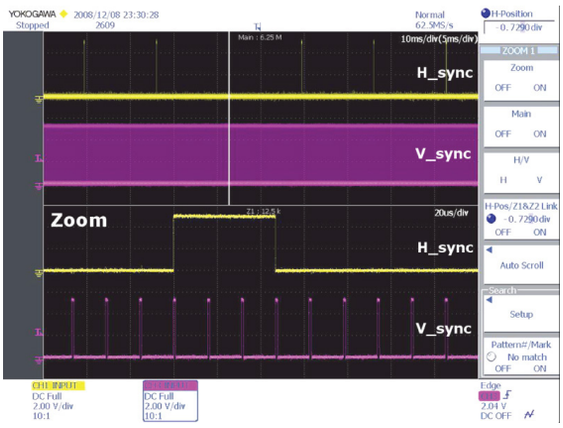


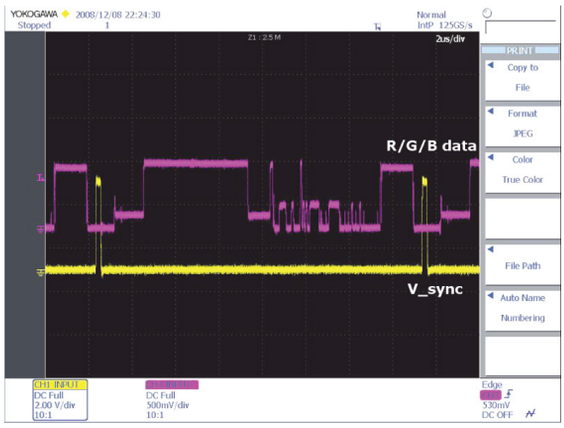
B



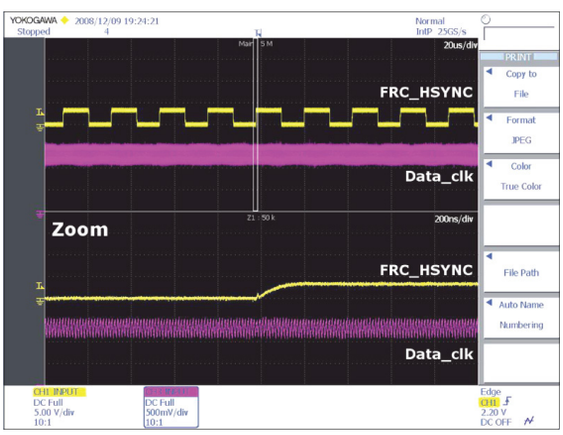
WAVEFORMS

❶	PC input (V-sink , H-sink , R/G/B)

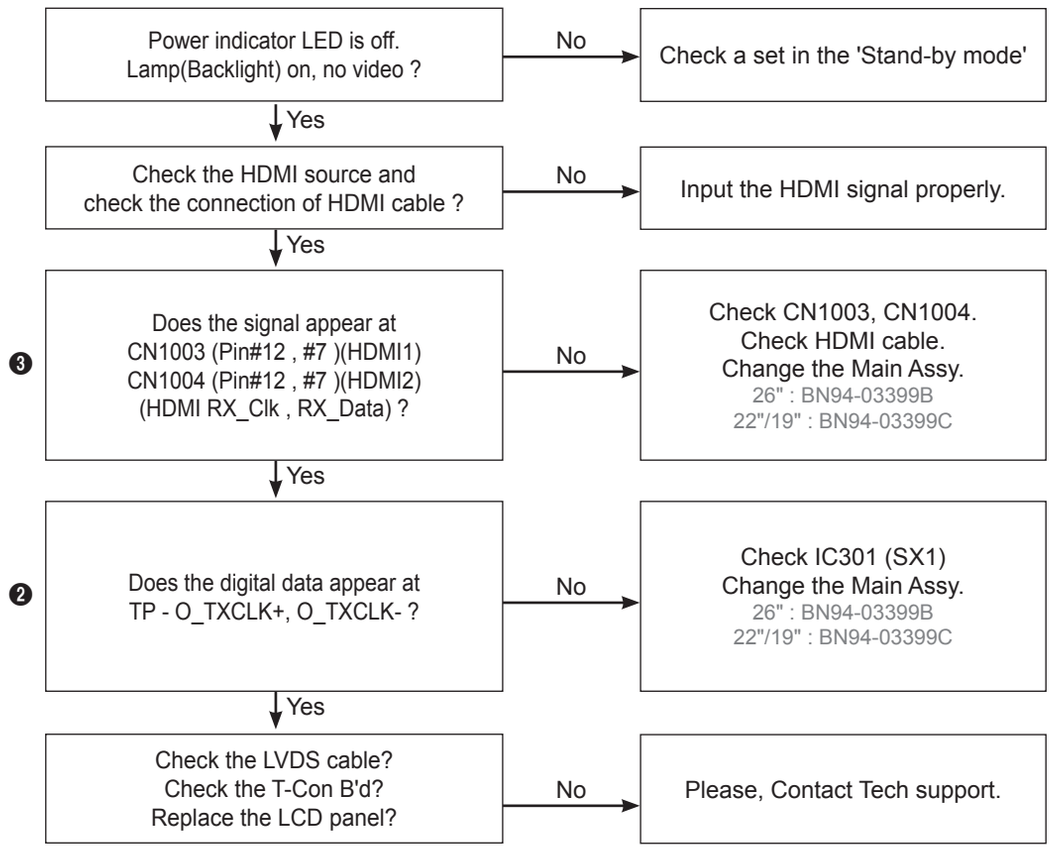


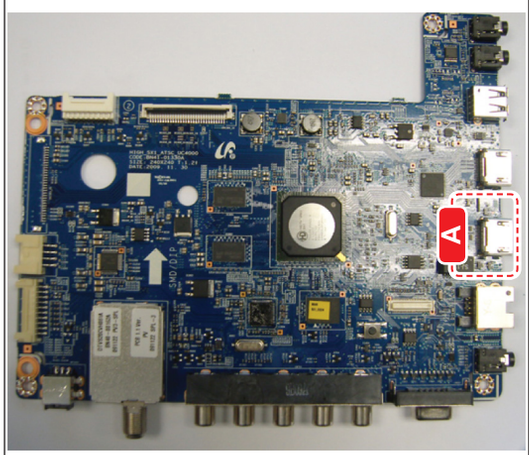
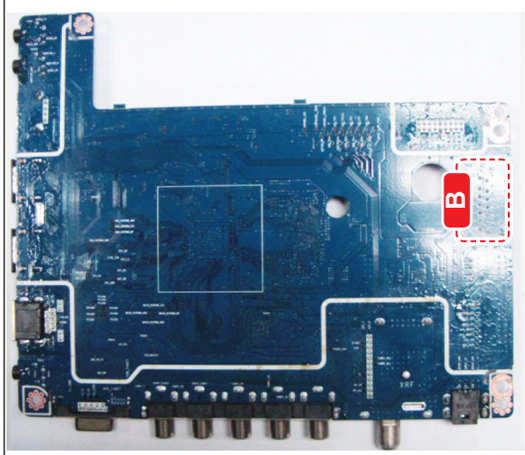
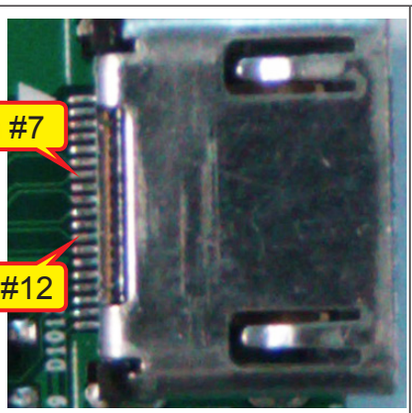
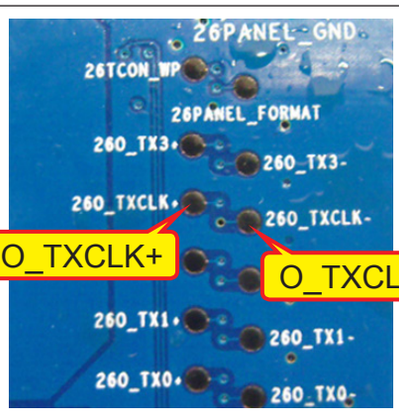


❷	LVDS output



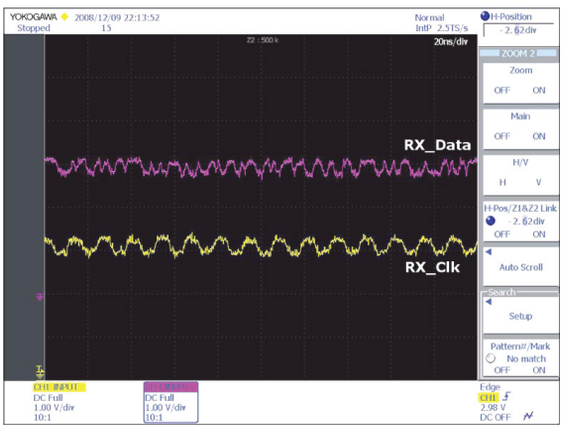
4-1-4. No video (HDMI1, 2 - Digital signal)

Symptom	– Audio is normal but no picture is displayed on the screen.
Major checkpoints	– Check the HDMI source. – Check the HDMI switch, Check the Chelsea. – This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.
Diagnostics	
Caution	Make sure to disconnect the power before working on the IP board.

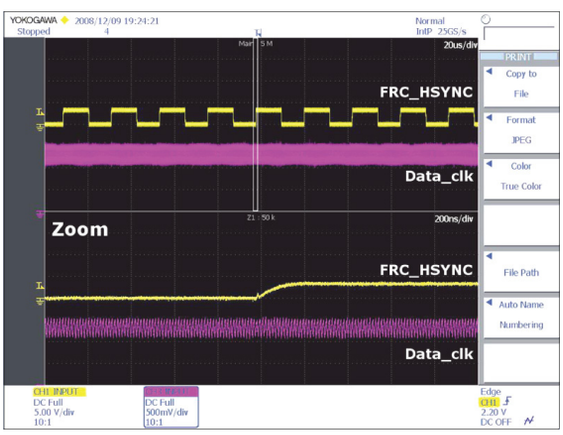
Location (Main)			
TOP		BOTTOM	
Detail			
A		B	

WAVEFORMS

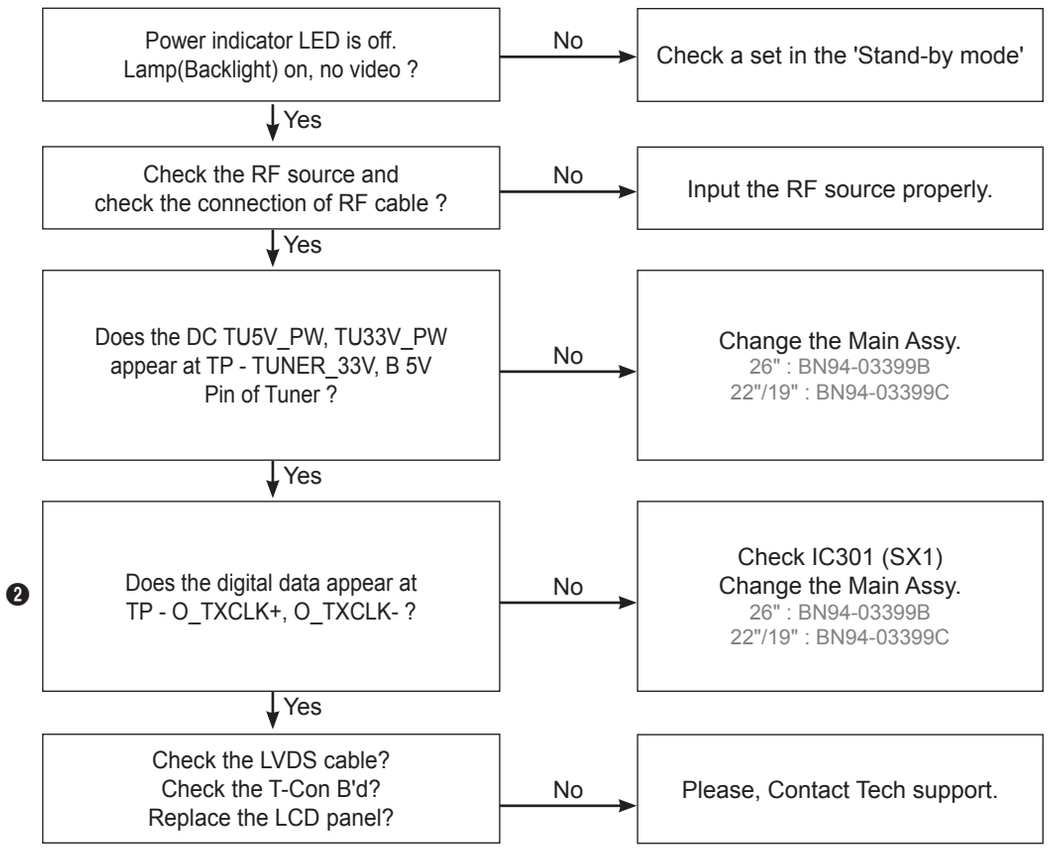
❸	HDMI input (RX_Data, RX_Clk)

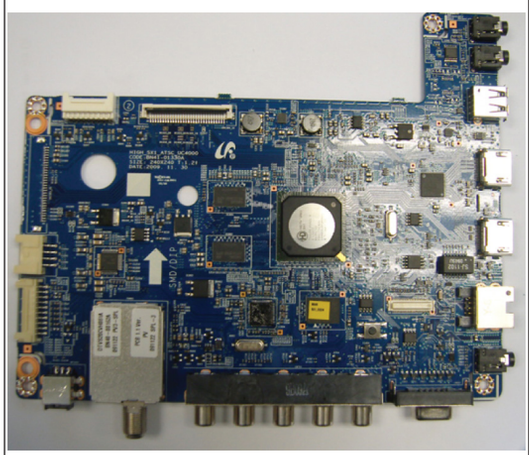
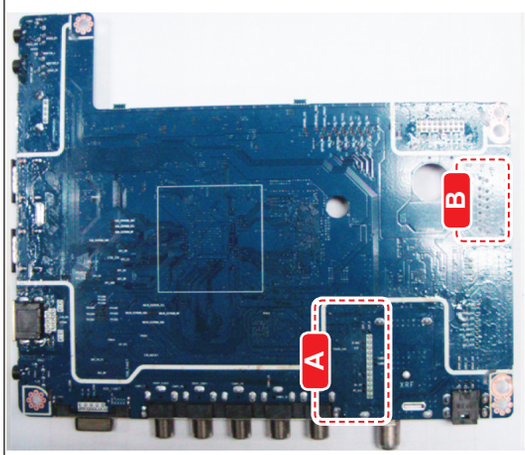
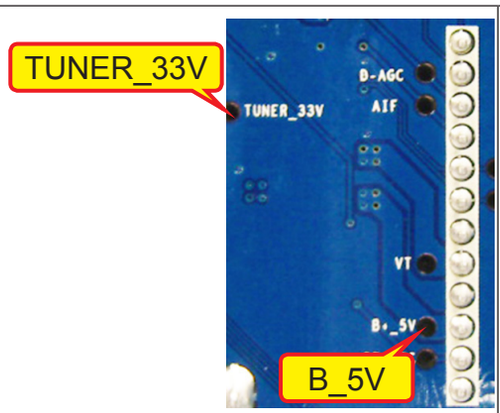
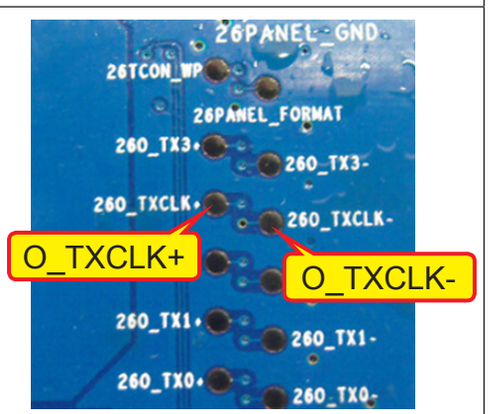


❷	LVDS output



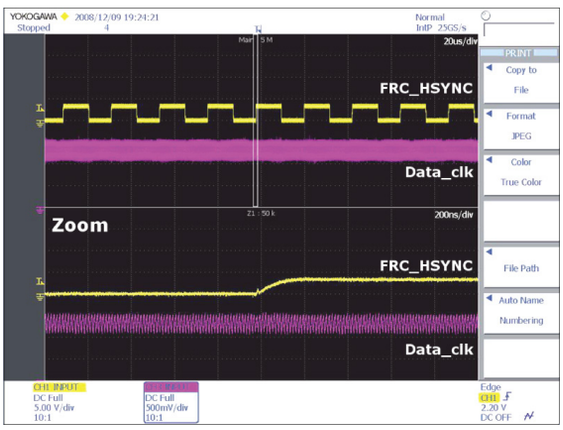
4-1-5. No Video (Tuner_CVBS)

Symptom	– Audio is normal but no picture is displayed on the screen.
Major checkpoints	– Check the Tuner CVBS source. – Check the Tuner, Check the Chelsea. – This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.
Diagnostics	
Caution	Make sure to disconnect the power before working on the IP board.

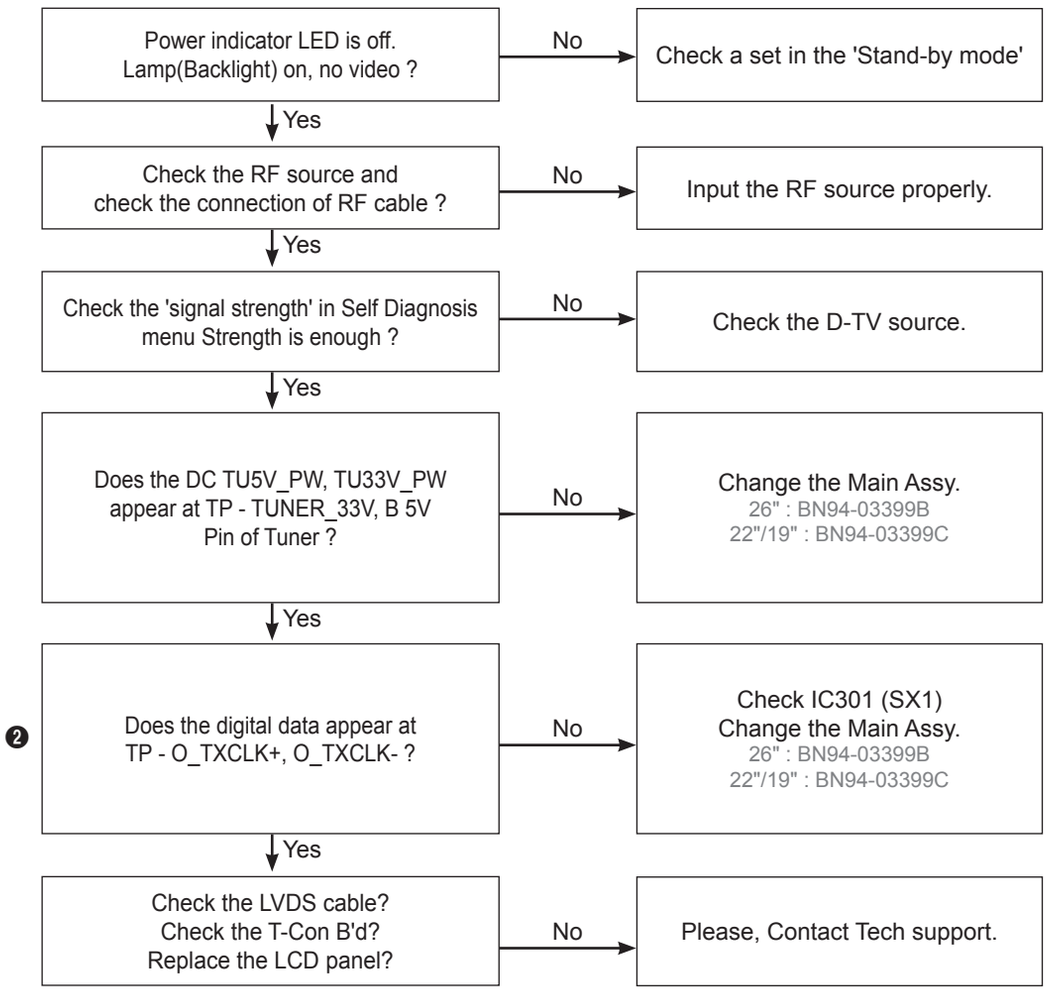
Location (Main)			
TOP		BOTTOM	
Detail			
A		B	

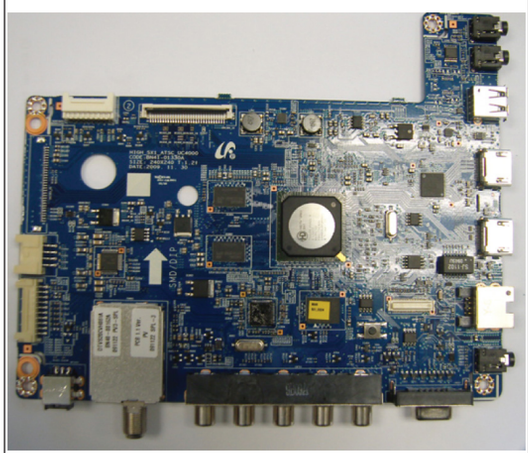
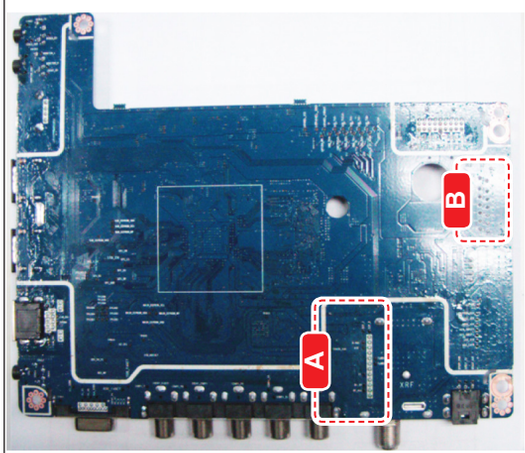
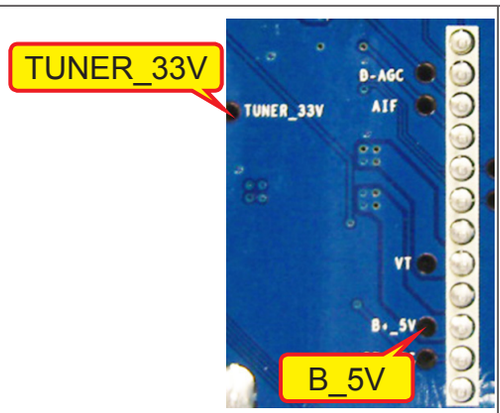
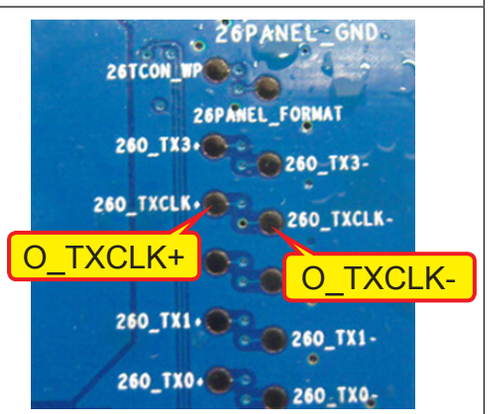
WAVEFORMS

❷	LVDS output



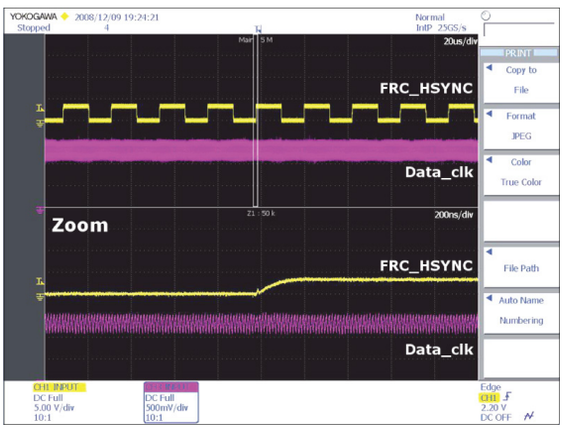
4-1-6. No Video (Tuner DTV)

Symptom	– Audio is normal but no picture is displayed on the screen.
Major checkpoints	– Check the DTV source. – Check the Tuner, Check the Chelsea. – This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.
Diagnostics	
Caution	Make sure to disconnect the power before working on the IP board.

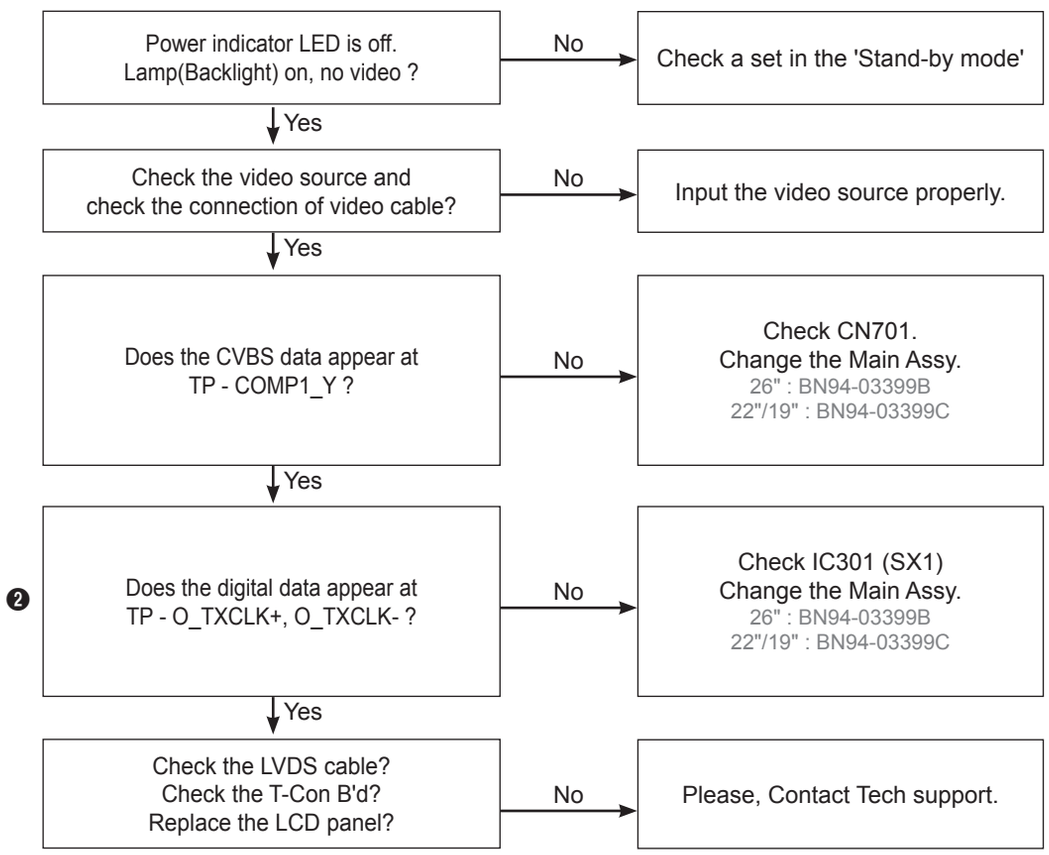
Location (Main)			
TOP		BOTTOM	
Detail			
A		B	

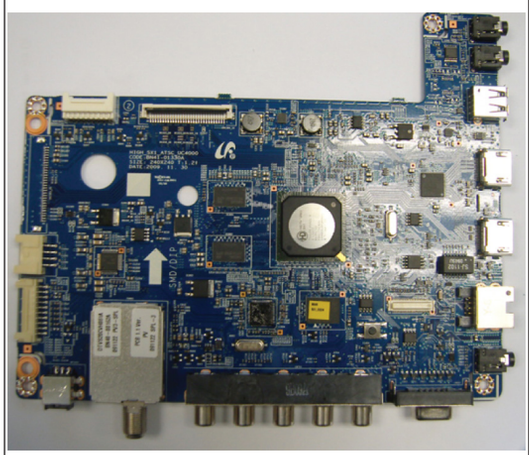
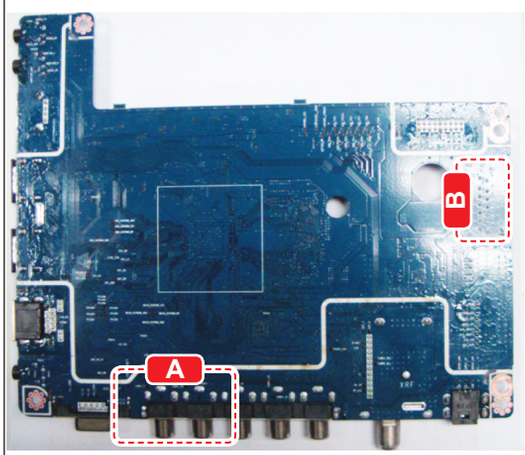
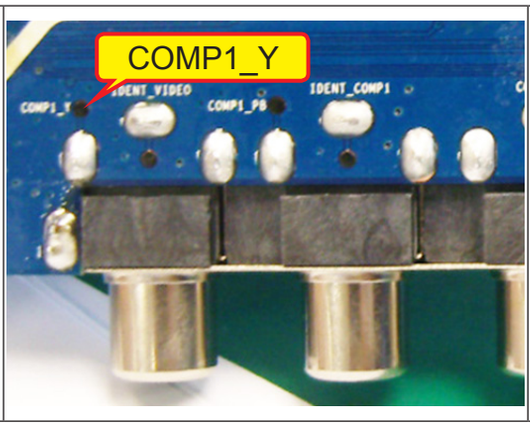
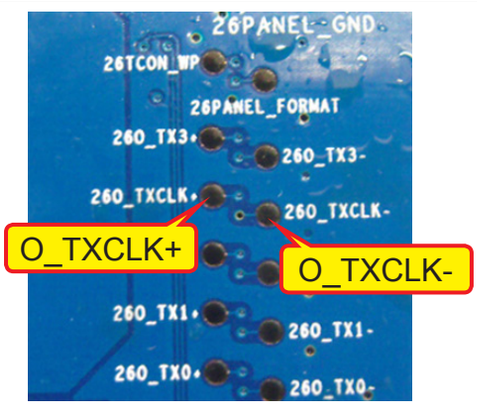
WAVEFORMS

❷	LVDS output



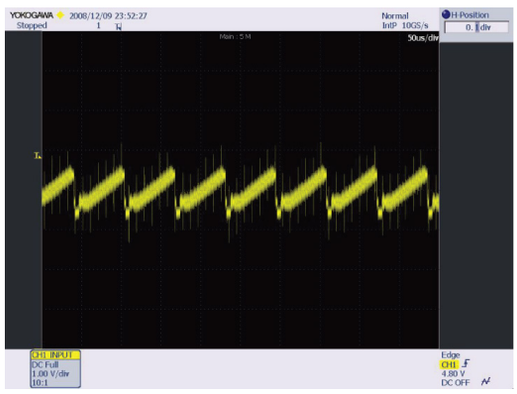
4-1-7. No Video (Video CVBS)

Symptom	– Audio is normal but no picture is displayed on the screen.
Major checkpoints	– Check the Video CVBS source – Check the Chelsea. – This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.
Diagnostics	
Caution	Make sure to disconnect the power before working on the IP board.

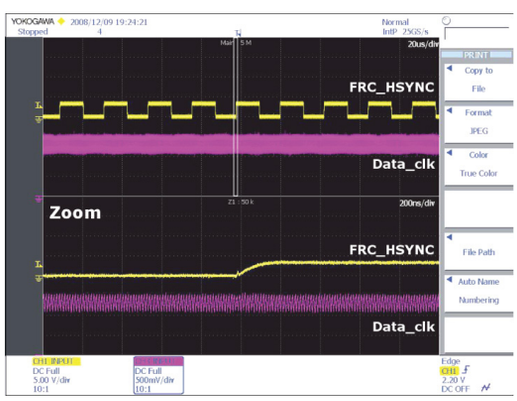
Location (Main)			
TOP		BOTTOM	
Detail			
A		B	

WAVEFORMS

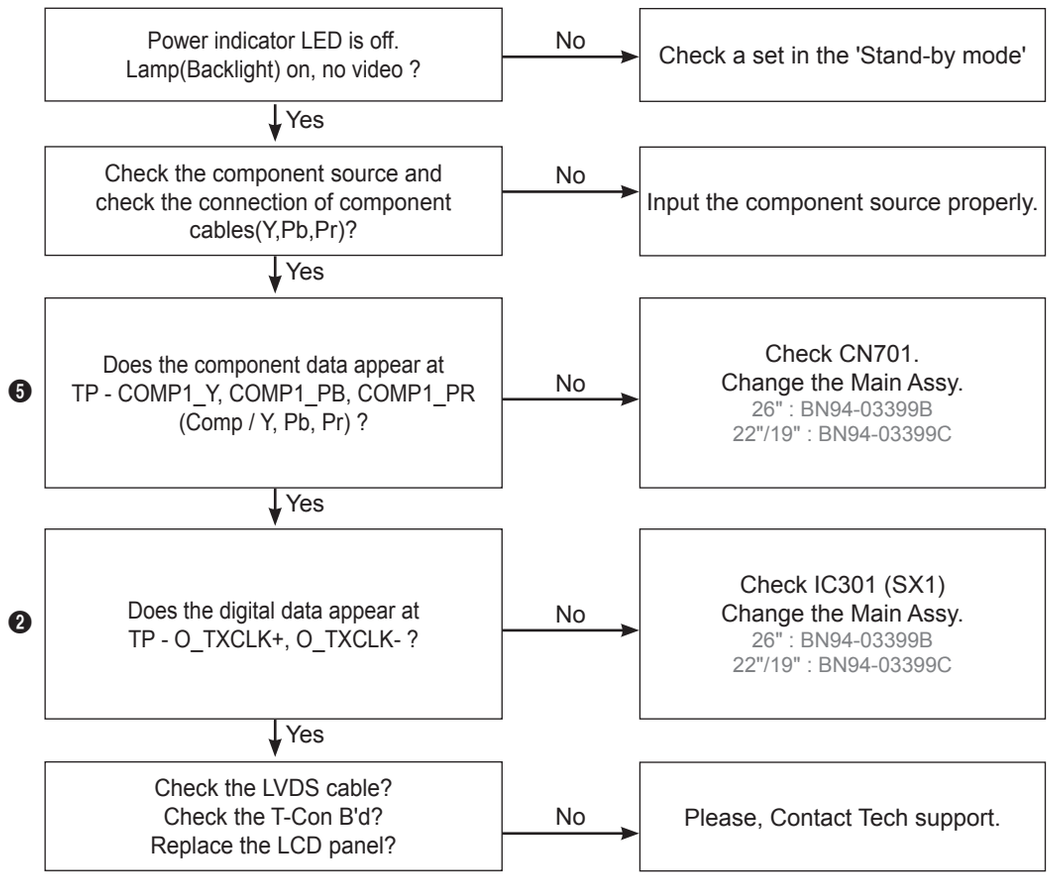
❹	CVBS OUT (Grey Bar)

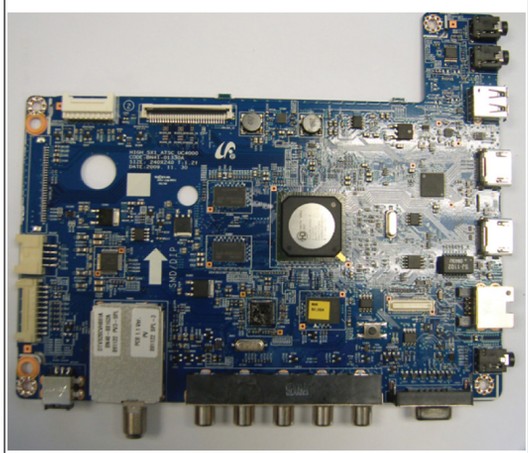
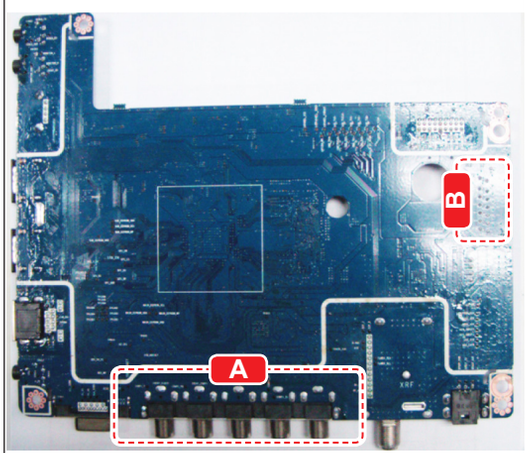
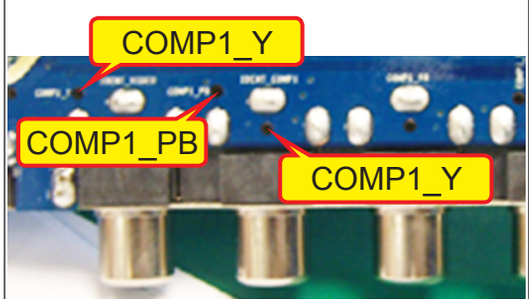
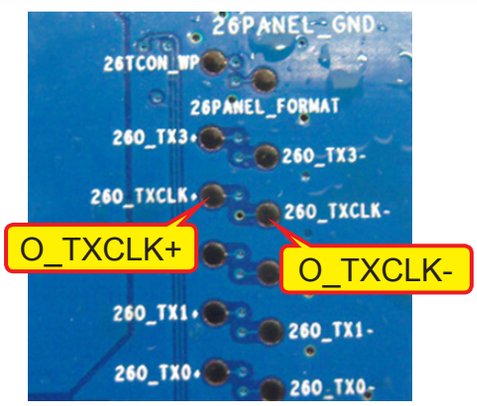


❷	LVDS output



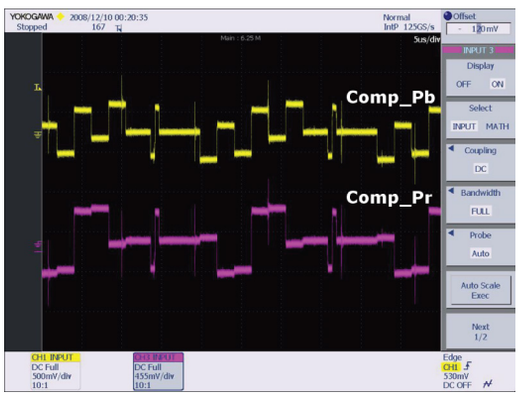
4-1-8. No Video (Component)

Symptom	– Audio is normal but no picture is displayed on the screen.
Major checkpoints	– Check the Component source – Check the chelsea. – This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.
Diagnostics	
Caution	Make sure to disconnect the power before working on the IP board.

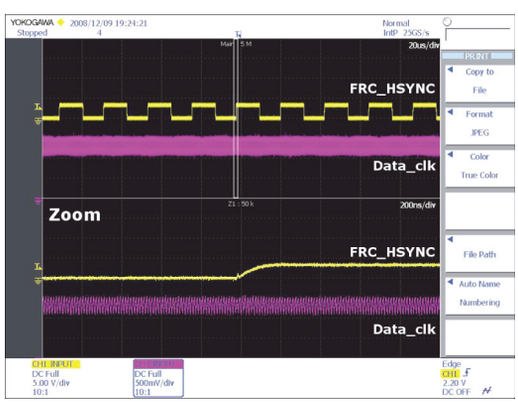
Location (Main)			
TOP		BOTTOM	
Detail			
A		B	

WAVEFORMS

❺	Compnent_Y (Gray scale) / Pb / Pr (Color bar)

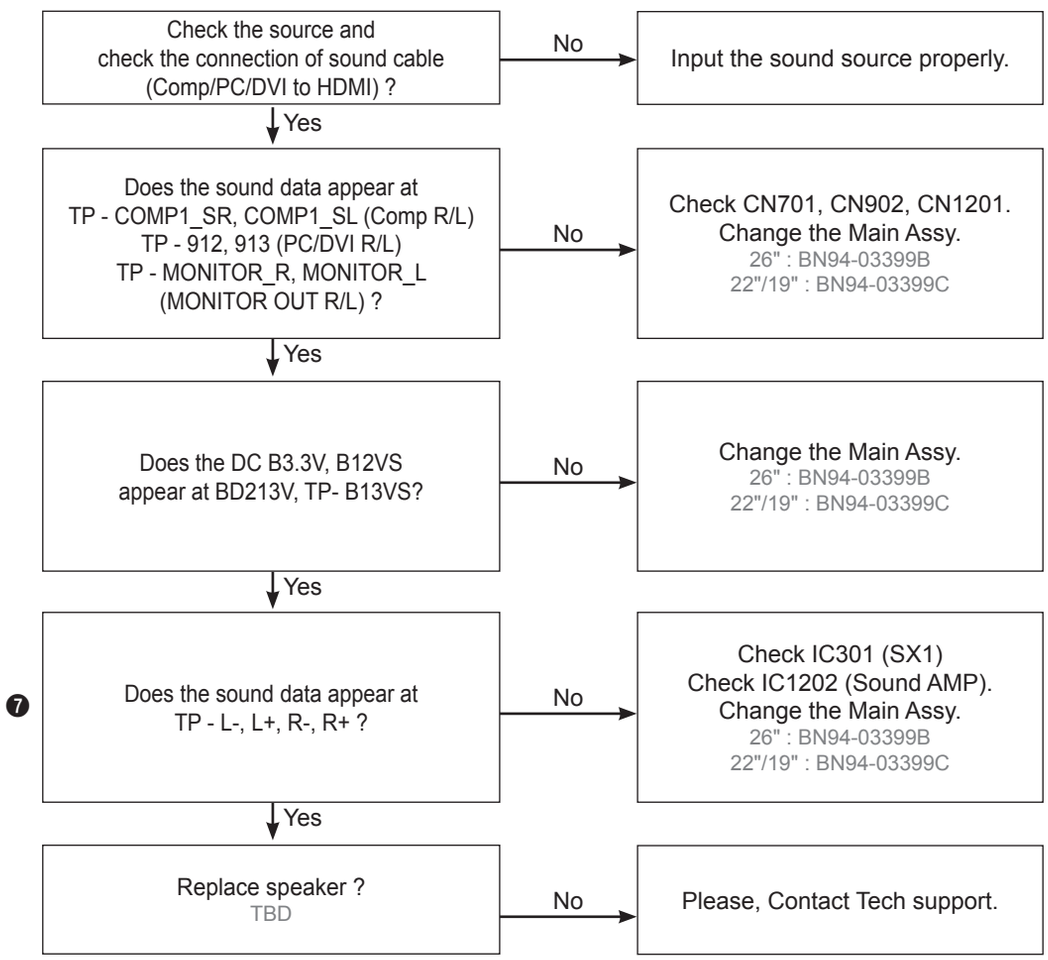


❷	LVDS output



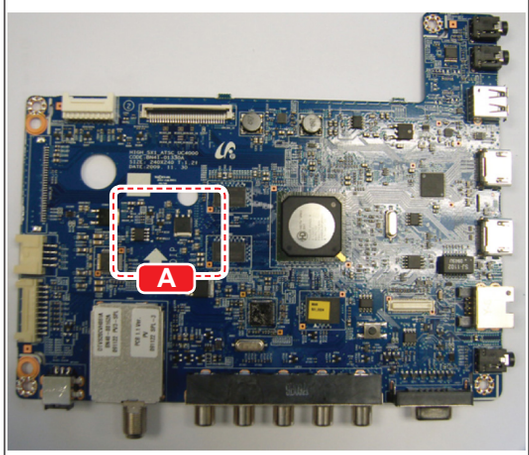
4-1-9. No Sound

Symptom	– Video is normal but there is no sound..
Major checkpoints	– When the speaker connectors are disconnected or damaged. – When the sound processing part of the Main Board is not functioning. – Speaker defect..
Diagnostics	❼
Caution	Make sure to disconnect the power before working on the IP board.

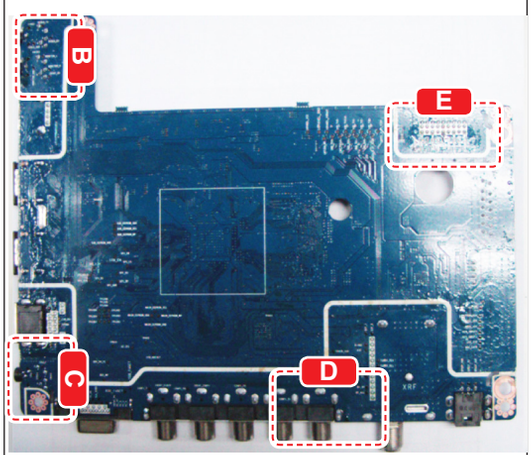


Location (Main)

TOP

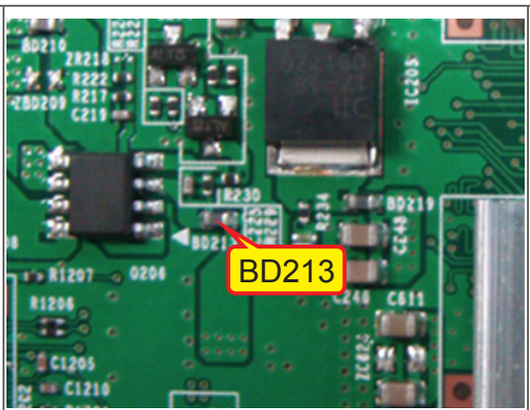


BOTTOM

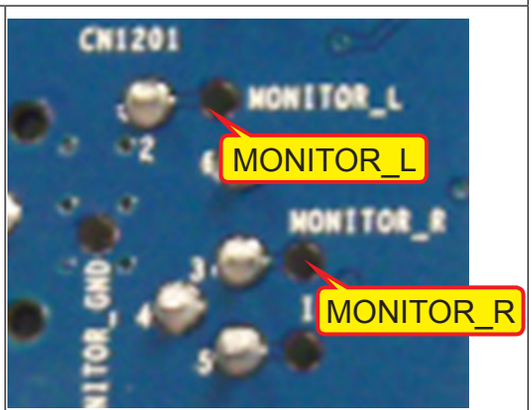


Detail

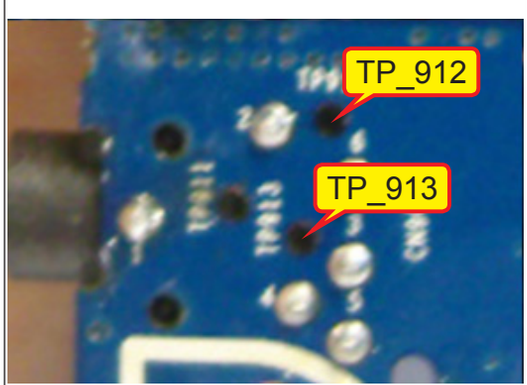
A



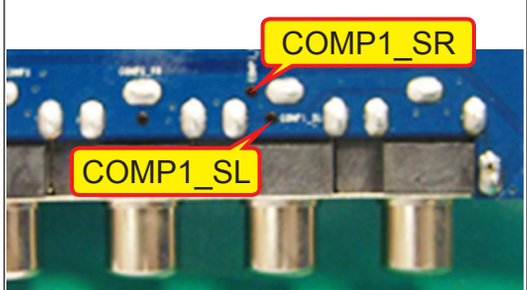
B



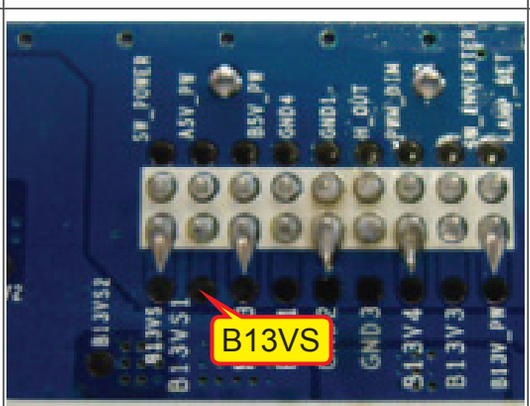
C



D

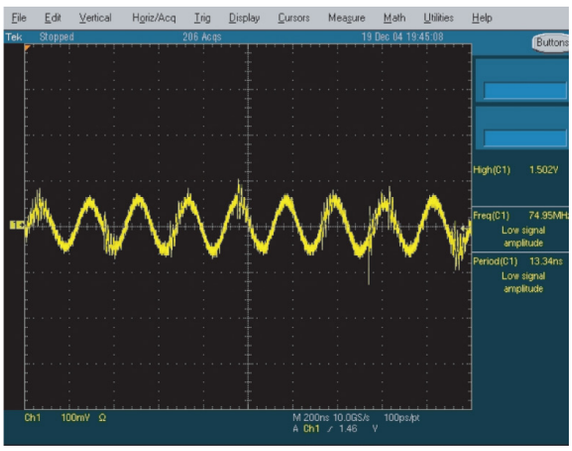


E



WAVEFORMS

❼	**Speaker out**



4-2. Alignments and Adjustments

4-2-1. General Alignment Instuction

1. Usually, a color LCD-TV needs only slight touch-up adjustment upon installation. Check the basic characteristics such as height, horizontal and vertical sync.
2. Use the specified test equipment or its equivalent.
3. Correct impedance matching is essential.
4. Avoid overload. Excessive signal from a sweep generator might overload the front-end of the TV. When inserting signal markers, do not allow the marker generator to distort test result.
5. Connect the TV only to an AC power source with voltage and frequency as specified on the backcover nameplate.
6. Do not attempt to connect or disconnect any wire while the TV is turned on. Make sure that the power cord is disconnected before replacing any parts.
7. To protect against shock hazard, use an isolation transformer.

4-3. Factory Mode Adjustments

4-3-1 Entering Factory Mode

To enter 'Service Mode' Press the remote -control keys in this sequence :

- If you do not have Factory remote - control

Power OFF → MUTE → 1 → 8 → 2 → Power On

4-3-2 How to Access Service Mode

Using the Customer Remote

1. Turn the power off and set to stand-by mode
2. Press the remote buttons in this order MUTE-1-8-2-POWER ON to turn the set on.
3. The set turns on and enters service mode. This may take approximately 20 seconds.
4. Press the Power button to exit and store data in memory.
   - If you fail to enter service mode, repeat steps 1 and 2 above.
5. Initial SERVICE MODE DISPLAY State

Option
Control
SVC
Expert
ADC/WB
Advanced
T-TDT5AUSC-XXX T-TDT5AUSS-XXX EDID SUCCESS CALIB : AV X COM X PC X HDMI X Option : XXXX XXXX XXXX X SDAL-XXX RFS : 0130 T-TDT5AUSC 20XX-XX-XX TYPE : XX MODEL : XXXXX MAC FAIL FACTORY DATA VER : XXX EERC VERSION : XXX DTP-AP-COMP-310-01 DTP-HIIG-0304 DTP-BP-0314 DATE OF PURCHASE : XX/XX/XX

* How to enter the hidden factory mode.

a. into the factory mode
b. move the tap to Advanced
c. key input : 0 + 0 + 0 + 0

** hidden menu : Advanced

6. Buttons operations withn Service Mode

Menu	Full Menu Display/Move to Parent Menu
Direction Keys ▲/▼	Item Selection by Moving the Cursor
Direction Keys ◄/►	Data Increase / Decrease for the Selected Item
Source	Cycles through the active input source that are connected to the unit

4-3-3 Factory Data

■ Option

Option	Factory Reset		
	Type		NONE/19O6TH0C/19A6TH0C/22I6TH0C/22A6TH0C/22D6TH0C/22P6TH0C/26A6AH0C/26D6AH0C/26L6AH0C/26P6AH0C/32A6AH0C/32D6AH0C/32L6AH0C32P6AH0C/32A6AF0C/32L6AF0C/32A1AF0C/32L1AF0C/37L6AF0C/37L1AF0C/40A6AF0C/40D6AF0C/40L6AF0C/40A1AF0C/40L1AF0C/40A1UF0C/40D1UF0C/40L1UF0C/46A6AF0C/46D6AF0C/46L6AF0C/46A1AF0C/46L1AF0C/46A1UF0C/46D1UF0C/46L1UF0C/55A1UF0C/55L1UF0C/65L1UF0C/19R6TH0E/22D6TH0E/26D6AH0E/32D6AH0E32D6UF0E/32A1UF0E/32D1UF0E/37L6UF0E/37D1UF0E/37L1UF0E/40D6UF0E/40A1UF0E/40D1UF0E/46D6UF0E/46L6UF0E/46A1UF0E/46D1UF0E/46L1UF0E/55A1UF0E/55D1UF0E/55L1UF0E/65L1UF0E/42HHcD3/50HHcD450FArN4/50FArV458FArN1/58FArV163FArN1/
	Local Set	…	
	Model	UC4000	LC350/LC450/LC450H/LC451LC452/LC457HLC459H/LC480/LC530/LC530H/LC539H/LC540/LC550/LC560/LC580/LC570/LC610/LC620/LC630/LC631/LC632/LC633/LC640/LC650/LC652/LC653/LC654/LC670/UC4000/UC400H/UC4010/UC5000/UC5100/UC6000/UC6200/UC6300/UC6400/UC6400H/UC6500/UC6510/UC6530/UC6540/UC6550/UC6600/UC6620/UC6630/UC6700/UC6720/UC6730/UC6740/UC6800/UC6830/UC6900/UC6900H/UC8000/PC420/PC430/PC431/PC432/PC450/PC451/PC480/PC520/PC530/PC531/PC540/PC541/PC550/PC551/PC560/PC580/PC590/PC670/PC6100/PC6400/PC6500/PC7000/PC7700/PC8000
	TUNER	DRX3900J	
	DDR	0	
	Country	USA	
	Front Color		NONE/W-MILKY/T-M-Brn/T-W-Brn/T-W-Gray/W-D-Gray/W-M-Whit/W-Violet/T-C-Gray/T-R-BLK/S-BLK/S-RBLK/S-C-Gray/

■ Control

EDID	EDID ON/OFF	Off	ON/OFF
	EDID WRITE ALL	…	Success/failure
	EDID WRITE PC	…	Success/failure
	EDID WRITE HDMI	…	Success/failure
	EDID WRITE HDMI1	…	fixed
	EDID WRITE HDMI2	…	fixed
	EDID WRITE HDMI3	…	fixed
	EDID WRITE HDMI4	…	fixed
	EDID 1.2 PORT	NONE	NONE/Not Support/HDMI2/HDMI3/HDMI4
	EDID WRITE DVI	…	fixed

Sub Option	RF Mute Time	600ms	0ms~1000ms
	RS-232 Jack	UART	Debug/Login/UART
	Watchdog	OFF	ON/OFF
	WD Count	0	0~255
	Dimm Type	EXT	fixed
	Lvds Format	JEIDA	JEIDA/VESA/19INCH
	MediaPlay DB	On whth 5MB	fixed
	MediaPlay Movie	chapterinMedia	fixed
	MediaPlay DLNA	OFF	fixed
	MediaPlay PlayList	OFF	fixed
	OTN Server Type	operationg	operation/development
	OTN Test Server	OFF	OFF/ A/B/C/D/E Zone
	OTN Support	ON	ON/OFF
	OTN Reset		
	OTN Duration	OFF	ON/OFF
	OTN Fail Test	OFF	ON/OFF
	T-CON USB Download	Failure	fixed
	View Log		fixed
	H.264 Margin	200	0~2000
	MPEG Margin	50	0~2001
	Tuner Margin	50	0~2002
	SST		
	2nd mips	ON	ON/OFF
	2nd mips count	0	0~255
	Region	USA	fixed
	PC Auto Ident	Enable	Auto/Enable

Hotel Option	Hotel Mode	OFF	ON/OFF
	SI Vender	Samsung	"Samsung/2M/Locatel/VDA/VDA-S/Acentic/ Premiere/Sustinere/Quadriga/ETV/Ibahn/ Magilink/Otrum/PeninsulaSiemens/OCC/MTI/ MstreamsDAWNXTV/Enseo/Cardinal/Guestek/OFF/ Movielink/Swisscom"
	Power On Channel	3	1~135
	Channel Type	ATV	ATV/DTV/CATV/CDTV
	Power On Volume	10	0~100
	Min Volume	0	0~100
	Max Volume	100	0~100
	Panel Button Lock	Unlock	Unlock/Lock/OnlyPower
	Power On Source	TV	TV/AV/Comp/PC/HDMI1/HDMI2/HDMI3/HDMI4
Shop Option	Shop Mode	…	…
	Exhibition Mode	OFF	ON/OFF
Sound	High Devi	OFF	ON/OFF
	Carrier_Mute	ON	ON/OFF
	Speaker Delay Normal	10	0~255
	Pilot Level High Thld	0x08h	0x00~0xff
	Pilot Level Low Thld	0x05h	0x00~0xff
	Speaker EQ	ON	ON/OFF
	SPDIF PCM Gain	-9dB	-10dB~0dB

■ SVC

SVC	Test Pattern		fixed
	Panel Display Time	23Hr	
	Tuner Status		

Test Pattern	Pattern Sel	OFF	OFF/ White/Grey/Black/Red/Green/Blue
	RFC PC Mode	…	fixed
	Logic Pattern Sel	…	fixed
	Logic Level Sel	…	fixed

TUNER STATUS	DVB	SNR	fixed
		BER	fixed
		Singal Strength	fixed
		Bandwidth	fixed
		Frequency	fixed
		LNA Status	fixed
		FFT	fixed
		Modulation	fixed
		Code Rate	fixed
		GI	fixed
		Hier Modulation	fixed
		Frequency Offset	fixed
		Timing Offset	fixed
		AGC	fixed
		UCB	fixed
		PLL Type	fixed
		DEMOD Type	fixed
		TPS LOCK	fixed
		RS Lock	fixed
		SSI	fixed
		SQI	fixed
	ISDB-T	FFT Size_1	fixed
		Guard Interval_1	fixed
		Freq. Offset_1	fixed
		SNR_1	fixed
		IF AGC_1	fixed
		TMCC Lock_1	fixed
		TS Packet_1	fixed
		Master Lock_1	fixed

		A_Modulation_1	fixed
		A_Code Rate_1	fixed
		A_Timer InterLeave_1	fixed
		A_Segments Num_1	fixed
		A_Ber_1	fixed
		B_Modulation_!	fixed
		B_Code Rate_1	fixed
		B_Timer InterLeave_1	fixed
		B_Segments Num_1	fixed
		B_BER_1	fixed
		C_Modulation_1	fixed
		C_Code Rate_1	fixed
		C_Timer InterLeave_1	fixed
		C_Segments Num_1	fixed
		C_BER_1	fixed

■ Expert

Expert	N / D ADJ	Off	Off / On / FIX
	SOURCE	...	fixed

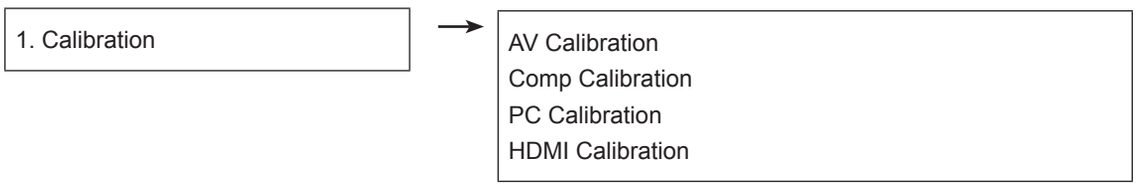
■ ADC/WB

ADC	AV Calibration	Success	Success / Failure
	Comp Calibration	Success	Success / Failure
	PC Calibration	Success	Success / Failure
	HDMI Calibration	Success	Success / Failure
ADC Target	1st_AV_Low	18	0 ~ 255
	1st_AV_High	220	0 ~ 255
	1st_AV_Delta	1	0 ~ 255
	1st_COMP_Low	16	0 ~ 255
	1st_COMP_High	235	0 ~ 255
	1st_COMP_Delta	1	0 ~ 255
	1st_PC_Low	2	0 ~ 255
	1st_PC_High	235	0 ~ 255
	1st_PC_Delta	1	0 ~ 255
	2nd_Low	1	0 ~ 255
	2nd_High	235	0 ~ 255
	2nd_Delta	1	0 ~ 255
ADC RESULT	1st_AV_Gain	127	0 ~ 255
	1st_AV_Offset	139	0 ~ 255
	1st_Comp_Gain	68	0 ~ 255
	1st_Comp_Gain_Cb	68	0 ~ 255
	1st_Comp_Gain_Cr	68	0 ~ 255
	1st_Comp_Offset	127	0 ~ 255
	1st_Comp_Offset_Cb	127	0 ~ 255
	1st_Comp_Offset_Cr	127	0 ~ 255
	1st_PC_R_Gain	96	0 ~ 255
	1st_PC_G_Gain	95	0 ~ 255
	1st_PC_B_Gain	94	0 ~ 255
	1st_PC_R_Offset	127	0 ~ 255
	1st_PC_G_Offset	127	0 ~ 255
	1st_PC_B_Offset	127	0 ~ 255
	2nd_R_Offset	110	0 ~ 255
	2nd_G_Offset	110	0 ~ 255
	2nd_B_Offset	110	0 ~ 255
	2nd_R_Gain	165	0 ~ 255
	2nd_G_Gain	165	0 ~ 255
	2nd_B_Gain	165	0 ~ 255

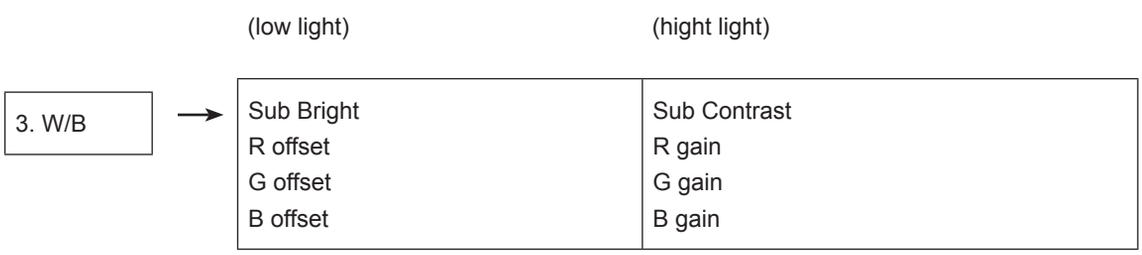
WB	Sub Brightness	128	0 ~ 255
	R_Offset	128	0 ~ 255
	G_Offset	128	0 ~ 255
	B_Offset	128	0 ~ 255
	Sub Contrast	128	0 ~ 255
	R_Gain	128	0 ~ 255
	G_Gain	128	0 ~ 255
	B_Gain	128	0 ~ 255
	Movie R Offset	122	0 ~ 255
	Movie B Offset	145	0 ~ 255
	Movie R Gain	156	0 ~ 255
	Movie B Gain	39	0 ~ 255

4-4. White Balance - Calibration

4-4-1 White Balance -Calibration



4-4-2 White Balance - Adjustment



(W/B adjustment Condition refer next page)

4-5. White Ratio (Balance) Adjustment

1. You can adjust the white ratio in factory mode (1:Calibration, 3:White-Balance).
2. Since the adjustment value and the data value vary depending on the input source, you have to adjust these in CVBS, Component 1 and HDMI 1 modes.
3. The optimal values for each mode are configured by default. (Refer to Table 1, 2)
   It varies with Panel's size and Specification.

- Equipment : CS-210
- Pattern: MIK K-7256 #92 "Flat W/B Pattern" as standard
- Use other equipment only after comparing the result with that of the Master equipment.
- Set Aging time : 60min

- Calibration and Manual setting for WB adjustment.

HDMI : Calibration at #24 Chessboard Pattern → Manual adjustment #92 pattern (720p)
COMP: Calibration at #24 Chessboard Pattern → Manual adjustment at #92 pattern (720p)
CVBS: Calibration at #24 Chessboard Pattern → Manual adjustment at #92 pattern (NTSC)

- If finishing in HDMI mode, adjustment coordinate is almost same in AV/COMP mode.
- White Balance Manual Adjustment

- **19C4000**

P-Mode Input signal	Dividing	Adjustment Coordinate CA-210			
		x	y	Y (Luminance)	T(K) + MPCD
[Dynamic Cool1] HDMI Comp CVBS	H/L			**56.2 fL** (Sub_CT:134 Fix)	12,000 (±0)
	L/L			**4.2 fL** (Sub-Brt:128 Fix)	12,000 (±0)
[Movie Warm2] HDMI Comp CVBS	H/L			- (Sub_CT:Unadjusted)	6,500 (+6)
	L/L			- (Sub_Brt:Unadjusted)	6,500 (+6)

- **22C4000**

P-Mode Input signal	Dividing	Adjustment Coordinate CA-210			
		x	y	Y (Luminance)	T(K) + MPCD
[Dynamic Cool1] HDMI Comp CVBS	H/L	272	278	**50.5 fL** (Sub_CT:134 Fix)	12,000 (±0)
	L/L	272	278	**3.0 fL** (Sub-Brt:128 Fix)	12,000 (±0)
[Movie Warm2] HDMI Comp CVBS	H/L	313	340	- (Sub_CT:Unadjusted)	6,500 (+6)
	L/L	313	340	- (Sub_Brt:Unadjusted)	6,500 (+6)

- **26C4000**

P-Mode Input signal	Dividing	Adjustment Coordinate CA-210			
		x	y	Y (Luminance)	T(K) + MPCD
[Dynamic Cool1] HDMI Comp CVBS	H/L	272	278	**56.2 fL** (Sub_CT:134 Fix)	12,000 (±0)
	L/L	272	278	**5.0 fL** (Sub-Brt:128 Fix)	12,000 (±0)
[Movie Warm2] HDMI Comp CVBS	H/L	306	327	- (Sub_CT:Unadjusted)	6,500 (+6)
	L/L	306	327	- (Sub_Brt:Unadjusted)	6,500 (+6)

- Adjustment Specification
  White Balance : High light (±1), Low light (±3)
  Luminance : High light (Don't care), Low light (±0.2 Ft/L)\

4-6. Servicing Information

4-6-1 USB Download Method

Software Upgrade upgrades can be performed via broadcasting signal or by downloading the new firmware from samsung.com to a USB memory device.
Current Version is the software already installed in the TV.

Note Software is represented as 'Year/Month/Day_Version'.
Installing the latest version is recommended.

- **By USB**: Insert a USB drive containing the firmware upgrade file downloaded from samsung.com into the TV. Please be careful not to disconnect the power or remove the USB drive until upgrades is complete. The TV will turn off and on automatically after completing the firmware upgrade. When software is upgraded, video and audio settings you have made will return to their default settings. We recommend you to write down your settings so that you can easily reset them after the upgrade.
- **By Online**: Upgrades the software using the Internet.

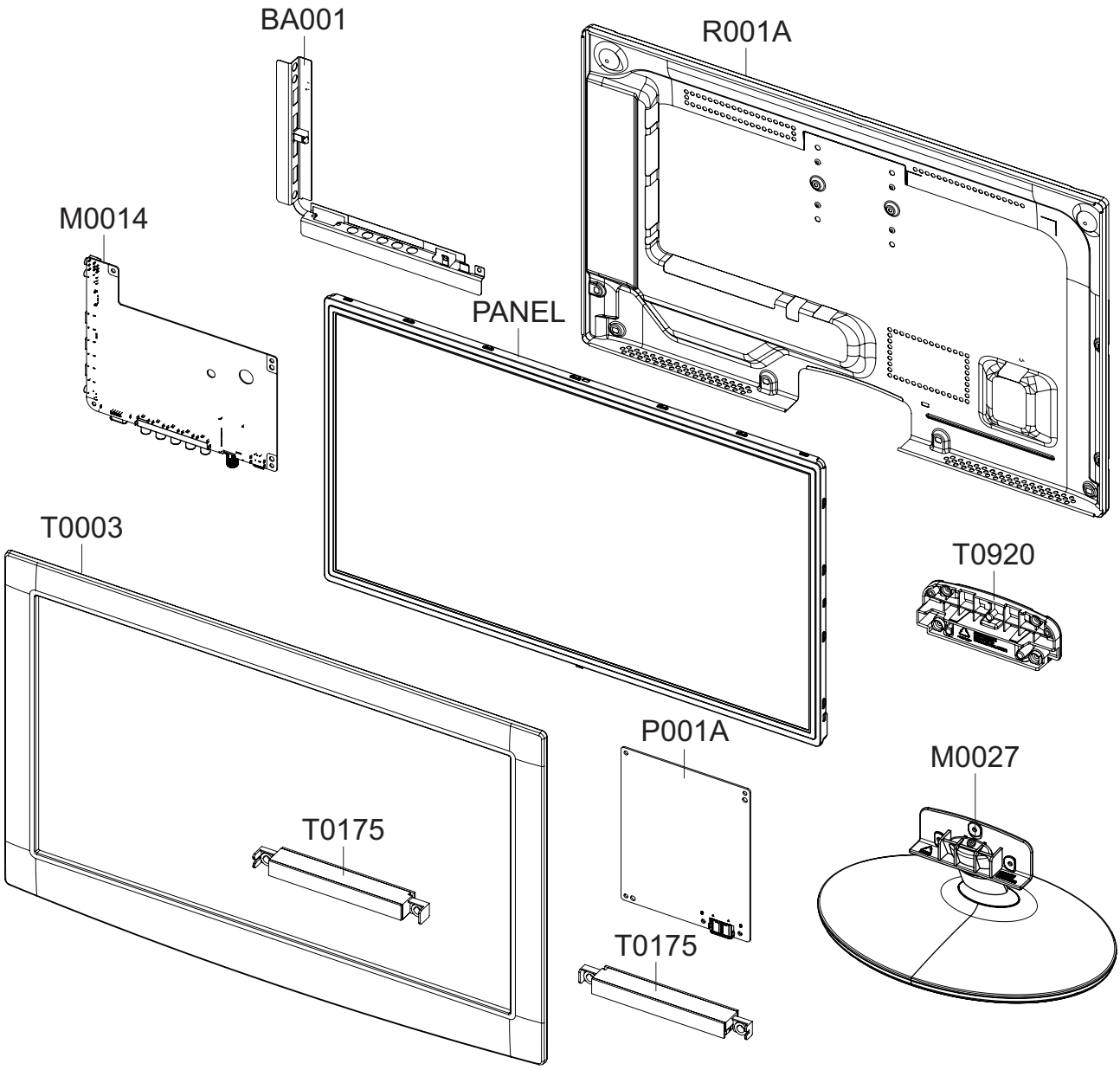
  Note First, configure your network.
  For detailed procedures on using the Network Setup, refer to the 'Setting the Network' instructions.

  Note If the internet connection doesn't operate properly, the connection may be broken.
  Please retry downloading. If the problem still happens, download by USB and upgrade.
- **Alternative Software (Backup)**: If there is an issue with the new firmware and it is affecting operation, you can change the software to the previous version.

  Note If software was changed, existing software is displayed.

5. Exploded View & Part List

5-1. UN22C4000P Exploded View



5-1-1. UN22C4000P Parts List

Location No.	Code No.	Description & Specification	Q'ty	S.A/S.N.A	Remark
BA001	BN61-06205C	BRACKET-AV;UC 4000-22",PCM,0.5,BKN-P824,	1	SNA	
M0014	BN94-03735R	ASSY PCB MAIN;UN22C4000PX*	1	SA	
M0027	BN96-11163E	ASSY STAND P-BASE;UC4000 19/22,ABS+PMMA,	1	SA	
P001A	BN44-00347C	DC VSS-LED TV PD BD;PD22AF0D_ZSM,PSLF650	1	SA	
PANEL	BN07-00865A	LCD-PANEL;T216HAE1-DB,CLL2AC1,6bit Hi-FR	1	SA	
R001A	BN96-13153J	ASSY COVER P-REAR;UC4000 22,LO,PCM,BKN-P	1	SA	
T0003	BN96-13150A	ASSY COVER P-FRONT;UC4000 22,UO,PMMA+PMM	1	SA	
T0175	BN96-12945A	ASSY SPEAKER P;16ohm,4pin,3W,L : 360 R:	1	SA	
T0920	BN61-06289A	GUIDE-STAND;UC4000 22,PC+G/F 20%,V2,BK00	1	SNA	

5-2. UN22C4000P Parts List

Service Bom (SA: SERVICE AVAILABLE, SNA: SERVICE NOT AVAILABLE)

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
0.1	M0216	BN90-02602B	ASSY STAND;UC4000 22	1	SNA	
..2	MASB1	BN96-10168C	ASSY STAND P-BODY;UC4000 22,PC	1	SA	
...3	T0524	6902-000023	BAG PE;LDPE,T0.08,W150,L120,TRP,1.650g	1	SNA	
...3	T0069	BN60-00119B	SPACER-FELT;ECOFIT 23"(P2370),FELT,L145,	1	SNA	
...3		BN61-05342B	STAND-BAR;UC4000 19,22,PC,ROSE BLK	1	SNA	
....4		BN61-05410B	STAND-BAR A;LB650 19",22",PC,TRD03(ROSE	1	SNA	
.....5		BN61-02932E	BRACKET-STOPPER NUT;ECOFIT 20,M4,D8,L12,	1	SNA	
....4		BN61-05413A	STAND-BAR B;LB650 19,22,PC,CLEAR	1	SNA	
...3		BN68-01529P	LABEL-STICKER;B650,W/W,ART PAPER,T0.05,5	1	SNA	
..2	M0027	BN96-11163E	ASSY STAND P-BASE;UC4000 19/22,ABS+PMMA,	1	SA	
...3	M0081	6003-001001	SCREW-TAPTYPE;FH,+,B,M3,L8,ZPC(BLK),SWRC	4	SNA	
...3	T0524	6902-000109	BAG PE;HDPE,T0.015,W350,L430,TRP,28,2,4.	1	SNA	
...3	CIS4	BN61-01717A	HOLDER-STAND;BIZET,NI PLT,CH,+,M4,L11(5)	1	SNA	
...3		BN61-05087A	BRACKET-STAND BOTTOM;ECOFIT 23",SECC T0.	1	SNA	
...3		BN63-05425E	COVER-STAND BASE;UC4000 19/22,ABS+PMMA,H	1	SNA	
...3		BN68-01529P	LABEL-STICKER;B650,W/W,ART PAPER,T0.05,5	1	SNA	
...3		BN68-02187A	MANUAL FLYER-STAND GUIDE;COMM,SAMSUNG,14	1	SNA	
...3	AR011	BN73-00077A	RUBBER FOOT;MATISSE,BUMPON,#13.5,T2.0,60	4	SNA	
...3	CCM1	BN63-02183D	COVER-SHEET;Rhcm,PE Vinyl,T0.04,680mm,20	0.4	SNA	
0.1	M0017	BN91-05005F	ASSY CHASSIS;NEW MODEL	1	SNA	
..2	M0014	BN94-03735R	ASSY PCB MAIN;UN22C4000PX*	1	SA	
...3		0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0.125	SNA	
...3		3701-001698	CONNECTOR-DSUB;15P,3ROW,FEMALE,ANGLE,NI	1	SA	
...3		3711-007302	HEADER-BOARD TO BOARD;BOX,18P,2R,2mm,ANG	1	SA	
...3	JA330	3722-002846	JACK-PHONE;1/6,NI,BLACK,ANGLE	3	SNA	
...3	JA333	3722-002847	JACK-PIN;5P(ULTRA SLIM),NI,BLACK,ANGLE(S	1	SNA	
...3	T0562	6046-001015	STAND OFF;#4-40,L5,Ni PLT,C3601,M3	2	SNA	
...3	T0756	AA68-01018A	LABEL-PQS;50mmX,13,WHITE	1	SNA	
...3	CIS3	BN40-00162A	TUNER;DTVS20CVH081A,NTSC,191CH,45.75MHz,	1	SA	
...3	BA001	BN61-06205C	BRACKET-AV;UC 4000-22",PCM,0.5,BKN-P824,	1	SNA	
...3	HDP01	BN61-06644A	HOLDER-PCB;LC750,NYNOL66,V0	1	SNA	
...3	T0066	BN62-00040A	HEAT SINK-ES;SAPPHIRE,T2.0,36*36*6.6,BLK	1	SNA	
...3		BN97-04542E	ASSY SMD;22C4000	1	SNA	
....4		0202-001767	SOLDER-CREAM;LST-5710,D20~38,Sn-57Bi-1Ag	2.626	SNA	
....4	DS01A	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	11	SA	
....4	D0254	0402-000553	DIODE-SCHOTTKY;SS24/B240,40V,2000mA,DO-2	1	SA	
....4		0403-001783	DIODE-ZENER;BZB84-C6V2,5.8/6.6V,300mW,SO	9	SNA	
....4		0403-001785	DIODE-ZENER;NZH5V1B,4.94/5.2V,500mW,SOD-	1	SA	
....4	D0254	0404-001404	DIODE-SCHOTTKY;BAT721C,40V,200mA,SOT-23,	5	SA	
....4	T0139	0406-001200	DIODE-TVS;RCLAMP0504F,6/-/-V,150W,SC-70	1	SA	
....4	Q101	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	11	SA	
....4	CEQ2	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	7	SA	
....4	Q409	0505-002572	FET-SILICON;AO4801AL,P,-30V,-5.6A,0.075o	1	SA	
....4	T0596	0904-002554	IC-USC;AU6256-JBF,QFN,28P,5x5mm,12MHz,TP	1	SA	
....4	IC106	1001-001573	IC-VIDEO SWITCH;Sil9287BCNUTR,QFN,72P,10	1	SNA	
....4		1006-001266	IC-LINE TRANSCEIVER;3232,TSSOP,16P,174MI	1	SA	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8,SOP,8P,5x4mm	2	SA	
....4	IC112	1103-001385	IC-EEPROM;AT24C256,256Kbit,32Kx8,SOP,8P,	1	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4		1105-002058	IC-DDR2 SDRAM;K4T1G164QE-HCF8,DDR2,1Gbit	2	SA	
....4	T0085	1201-002487	IC-AUDIO AMP;MAX9728A,QFN,12P,3x3mm,DUAL	1	SA	
....4	T0124	1201-002993	IC-POWER AMP;TAS5715,HTQFP,48P,7x7mm,DUA	1	SA	
....4	T0087	1203-002835	IC-POSI.FIXED REG.;KIA7805AF,DPAK,3P,6.6	1	SA	
....4	T0087	1203-002898	IC-POSI.FIXED REG.;G950T45R,T0-252,3P,6.	1	SA	
....4		1203-004364	IC-VOL. DETECTOR;RT9818C-42PV,SOT-23,3P,	1	SA	
....4		1203-005559	IC-BACKLIGHT DRIVER;MP3302DJ,TSOT23,5P,2	1	SA	
....4		1203-006017	IC-VOL. DETECTOR;RT9824GJ8,TSOT23,8P,2.9	1	SA	
....4		1203-006104	IC-DC/DC CONVERTER;MP8707EN,SOIC8E,8P,4.	1	SA	
....4		1203-006127	IC-DC/DC CONVERTER;MP28253EL,QFN,14P,3x4	1	SA	
....4	T0087	1203-006136	IC-POSI.FIXED REG.;AP1117D-18-GZ-13-89,T	1	SA	
....4	IC012	1203-006138	IC-POSI.ADJUST REG.;AP1117DGZ-13-89,TO-2	1	SA	
....4		1203-006288	IC-VOL. DETECTOR;RT9818B-18GV,SOT-23-3,3	1	SA	
....4		1203-006337	IC-POSI.FIXED REG.;G9091-330T11U,SOT-23-	1	SA	
....4		1204-003089	IC-DEMODULATOR;DRX39XYJ,PQFN,64P,9x9x0.8	1	SA	
....4		1204-003096	IC-VIDEO DECODER;HIDTVPRO-SX,PBGA,580P,P	1	SA	
....4		1205-003201	IC-BUS SWITCH;TC7WB125FK,SSOP,8P,2x2.3mm	2	SA	
....4		1205-003733	IC-SWITCH;AP2191MPG-13,MSOP-8L-EP,8P,2.9	1	SA	
....4		1405-001271	VARISTOR;20Vdc,5A,1.0x0.5x0.6mm,TP	19	SA	
....4	PR6	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	2	SNA	
....4	R512	2007-000107	R-CHIP;470Kohm,5%,1/10W,TP,1608	1	SA	
....4	ZR24	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	SA	
....4	R105	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	25	SA	
....4	MR306	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	12	SNA	
....4	R319	2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	40	SNA	
....4		2007-000146	R-CHIP;6.8Kohm,5%,1/16W,TP,1005	2	SNA	
....4	R104	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	2	SA	
....4	R102	2007-000149	R-CHIP;12Kohm,5%,1/16W,TP,1005	4	SA	
....4	MR36	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	6	SNA	
....4	AR43	2007-000155	R-CHIP;27Kohm,5%,1/16W,TP,1005	2	SNA	
....4	MR13	2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	3	SNA	
....4	R123	2007-000159	R-CHIP;56Kohm,5%,1/16W,TP,1005	4	SNA	
....4	DR39	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	4	SNA	
....4	R111	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	14	SNA	
....4	R338	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	7	SNA	
....4	UR23	2007-000174	R-CHIP;47ohm,5%,1/16W,TP,1005	1	SNA	
....4	R124	2007-000775	R-CHIP;33Kohm,5%,1/16W,TP,1005	3	SNA	
....4	HR3	2007-000903	R-CHIP;430ohm,1%,1/10W,TP,1608	1	SNA	
....4	DR37	2007-000932	R-CHIP;470ohm,5%,1/16W,TP,1005	2	SNA	
....4		2007-001237	R-CHIP;910ohm,1%,1/10W,TP,1608	1	SNA	
....4		2007-001285	R-CHIP;5.6ohm,5%,1/16W,TP,1005	2	SA	
....4	OTR1	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	4	SNA	
....4	R326	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	3	SNA	
....4		2007-001333	R-CHIP;18Kohm,5%,1/16W,TP,1005	1	SNA	
....4		2007-002768	R-CHIP;6.2Kohm,1%,1/10W,TP,1608	1	SA	
....4	MR316	2007-002796	R-CHIP;510ohm,5%,1/16W,TP,1005	3	SA	
....4	PR24	2007-002970	R-CHIP;56ohm,5%,1/16W,TP,1005	1	SA	
....4	TR30	2007-007009	R-CHIP;75ohm,5%,1/16W,TP,1005	3	SNA	
....4		2007-007135	R-CHIP;18Kohm,1%,1/16W,TP,1005	2	SNA	
....4	DR4	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	32	SNA	
....4		2007-007156	R-CHIP;1ohm,5%,1/16W,TP,1005	3	SNA	

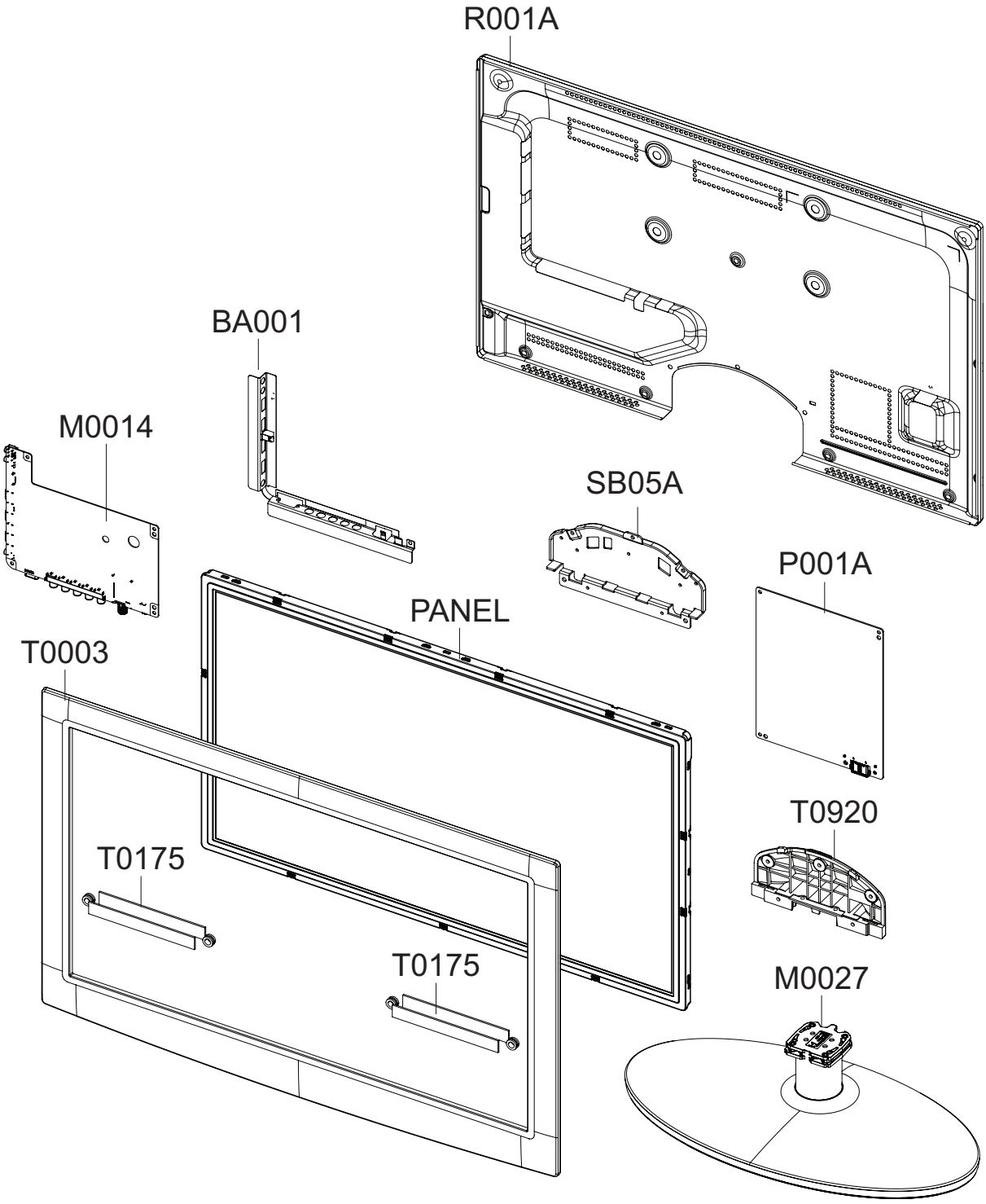
Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4		2007-007239	R-CHIP;31.6Kohm,1%,1/10W,TP,1608	1	SNA	
....4		2007-007315	R-CHIP;3.9Kohm,1%,1/16W,TP,1005	1	SNA	
....4		2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	11	SNA	
....4		2007-007573	R-CHIP;330Kohm,1%,1/16W,TP,1005	1	SC	
....4		2007-007587	R-CHIP;3.6Kohm,1%,1/16W,TP,1005	1	SNA	
....4		2007-007766	R-CHIP;2Kohm,1%,1/16W,TP,1005	1	SNA	
....4	MR11	2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	8	SNA	
....4		2007-008136	R-CHIP;36Kohm,1%,1/16W,TP,1005	1	SA	
....4	R54	2007-008426	R-CHIP;12.4Kohm,1%,1/10W,TP,1608	1	SNA	
....4		2007-008720	R-CHIP;4.7ohm,1%,1/4W,TP,3216	1	SNA	
....4		2011-001427	R-NETWORK;0ohm,5%,1/16W,L,CHIP,8P,TP,2.0	6	SA	
....4		2011-001449	R-NETWORK;22ohm,5%,1/16W,L,4P,TP,1010	3	SA	
....4		2011-001519	R-NETWORK;33OHM,5%,1/16W,L,CHIP,4P,TP,1.	3	SA	
....4		2011-001527	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,4P,TP,	6	SNA	
....4		2011-001589	R-NETWORK;0ohm,5%,1/16W,L,CHIP-V,4P,TP,1	1	SNA	
....4	PC43	2203-000233	C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005	4	SA	
....4	MC302	2203-000425	C-CER,CHIP;.018nF,5%,50V,C0G,TP,1005	7	SA	
....4	C254	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,TP,1005	2	SA	
....4	C507	2203-000489	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005	3	SA	
....4	MC9	2203-000627	C-CER,CHIP;.022nF,5%,50V,C0G,TP,1005	2	SNA	
....4	AD480	2203-000679	C-CER,CHIP;0.027nF,5%,50V,C0G,1005	1	SA	
....4	CK40B	2203-000838	C-CER,CHIP;0.39NF,5%,50V,C0G,TP,1608	1	SNA	
....4	KFC6	2203-000872	C-CER,CHIP;0.0030nF,0.25pF,50V,C0G,1608	2	SNA	
....4	DC87	2203-001153	C-CER,CHIP;.068nF,5%,50V,NP0,1005	2	SA	
....4	AD480	2203-001412	C-CER,CHIP;0.03nF,5%,50V,NP0,TP,1005	11	SNA	
....4	AD480	2203-001428	C-CER,CHIP;470nF,10%,50V,X7R,TP,2012	2	SNA	
....4	AD480	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	12	SNA	
....4	AD480	2203-002525	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1005	4	SNA	
....4	C33	2203-002687	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1005	4	SA	
....4	AAC1	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608	10	SNA	
....4	AD480	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005,-	1	SNA	
....4	AD480	2203-005968	C-CER,CHIP;4.7NF,10%,50V,X7R,TP,1005	2	SNA	
....4	AD480	2203-006126	C-CER,CHIP;47nF,10%,16V,X7R,1005	3	SNA	
....4	PC11	2203-006141	C-CER,CHIP;1000nF,10%,16V,X5R,1608	6	SNA	
....4	C102	2203-006158	C-CER,CHIP;100nF,10%,16V,X7R,1005	141	SNA	
....4	AD480	2203-006307	C-CER,CHIP;1000nF,10%,25V,X5R,2012	2	SNA	
....4	JC10	2203-006324	C-CER,CHIP;2200nF,10%,10V,X5R,1608	2	SA	
....4	AD480	2203-006336	C-CER,CHIP;10000nF,10%,25V,X5R,3216	11	SA	
....4	C125	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,TP,2012	33	SC	
....4	HE4	2203-006474	C-CER,CHIP;22000nF,20%,6.3V,X5R,2012	15	SA	
....4	AD480	2203-006841	C-CER,CHIP;1000nF,10%,16V,X5R,1005	13	SNA	
....4	AD480	2203-007176	C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012 (	2	SNA	
....4	T0052	2703-000158	INDUCTOR-SMD;1uH,10%,2012	4	SA	
....4	L1103	2703-000403	INDUCTOR-SMD;22uH,10%,3225	1	SA	
....4	T0052	2703-001239	INDUCTOR-SMD;3.3uH,10%,1608	3	SA	
....4	T0052	2703-002268	INDUCTOR-SMD;8.2nH,5%,1005	2	SNA	
....4	T0052	2703-002332	INDUCTOR-SMD;330nH,5%,1608	1	SA	
....4	T0052	2703-003790	INDUCTOR-SMD;4.7uH,20%,8080	2	SA	
....4	X202	2801-003326	CRYSTAL-SMD;24MHz,30ppm,28-ABX,20pF,50oh	1	SA	
....4	X202	2801-004004	CRYSTAL-SMD;20.25MHz,20ppm,28-AAN,13pF,2	1	SA	
....4	X202	2801-004775	CRYSTAL-SMD;12MHz,30ppm,16pF,30ohm,TP	1	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	F103	2901-001506	FILTER-EMI SMD;5V,0.13A,0pF,2x1x0.5mm,TP	2	SA	
....4	DR32	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,-,-,-	6	SNA	
....4	T0568	3301-001186	BEAD-SMD;600ohm,3216,2500mA,TP,553ohm/93	6	SA	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608	2	SNA	
....4	T0568	3301-002039	BEAD-SMD;26ohm,1608,TP	32	SA	
....4		3701-001293	CONNECTOR-HDMI;19P,2R,FEMALE,SMD-A,AU	2	SA	
....4	CN906	3707-001095	CONNECTOR-OPTICAL;SMD-A(Ultra Slim),SPDI	1	SA	
....4	AC510	3708-001150	CONNECTOR-FPC/FFC/PIC;30P,1mm,SMD-A,SN,Y	1	SA	
....4	HB01A	3711-005601	HEADER-BOARD TO CABLE;BOX,8P,1R,2mm,SMD-	1	SNA	
....4	HB01A	3711-007336	HEADER-BOARD TO CABLE;B0X,4P,1R,2.5mm,SM	1	SA	
....4		3722-003044	JACK-USB;4P/1C,NI,BLK,SMD-A,A-TYPE	1	SA	
....4		BN41-01330D	PCB MAIN;FR-4,4,1.2T,240*240	1	SNA	
....4		BN68-02775A	LABEL-SMD;ALL MODELS,8.5,21,COMMON	1	SNA	
....4	M0018	BN97-04025A	ASSY MICOM;T-TDT5AUSS-6002,2010.03.12	1	SNA	
.....5	IC115	1107-001580	IC-FLASH MEMORY;MX25L4005,4Mbit,512Kx8,S	1	SNA	
....4		BN97-04544A	ASSY MICOM-MAIN;UC4000	1	SNA	
.....5		1107-001818	IC-NAND FLASH;KFG1G16U2C-DIB6,1024Mbit,6	1	SNA	
.....5		BN68-02303A	LABEL-IC;9.5MMX8MM,ART PAPER	1	SNA	
...3	T0066	BP62-00047A	HEAT SINK-ES;DLP,A6063S,T2.5,13,13,TAPE	2	SNA	
0.1		BN91-05170A	ASSY LCD-CMO;BN07-00865A	1	SNA	
..2	PANEL	BN07-00865A	LCD-PANEL;T216HAE1-DB,CLL2AC1,6bit Hi-FR	1	SA	
0.1		BN91-05373T	ASSY SHIELD;NEW MODEL	1	SNA	
..2	T0081	6001-002283	SCREW-MACHINE;BH,+,M3,L5,ZPC(WHT),SWRCH1	7	SNA	
..2	M2893	BN39-01267L	LEAD CONNECTOR;UC4Q,Flat Connector Ass'y	1	SA	
..2	T0531	BN63-06700A	COVER-BOTTOM;UC4000 22,HIPS,V0,BK0020	1	SA	
..2	CCMM1	BN73-00211B	SILICON/RUBBER;UN46B9000XFXZA,SILICON+PO	1	SNA	
..2	M0230	BN96-12447N	ASSY CABLE P-FFC;UN22C4000PFXZA,FFC,0.3m	1	SA	
..2	M0525	BN96-13413A	ASSY COVER P-GUIDE STAND;UC4000 19/22,PC	1	SA	
...3	M0081	6003-001001	SCREW-TAPTYPE;FH,+,B,M3,L8,ZPC(BLK),SWRC	1	SNA	
...3	T0920	BN61-06289A	GUIDE-STAND;UC4000 22,PC+G/F 20%,V2,BK00	1	SNA	
...3	T0060	BN61-05091A	SPRING ETC-STAND;ECOFIT 23",SK5,T0.3	1	SNA	
..2	T0081	6001-002610	SCREW-MACHINE;BH,+,M4,L6,ZPC(BLK),SWRCH1	2	SA	
..2	SCREW	6003-001782	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	5	SA	
..2	T0081	6001-000115	SCREW-MACHINE;BH,+,-,M3,L10,ZPC(WHT),SWR	2	SNA	
..2	P001A	BN44-00347C	DC VSS-LED TV PD BD;PD22AF0D_ZSM,PSLF650	1	SA	
..2	CIS1	0203-001586	TAPE-FILAMENT;#893,0.15,25,55	0.08	SNA	
0.1		BN92-05736A	ASSY P/MATERIAL;UC4000 22	1	SNA	
..2	T0214	0203-001595	TAPE-OPP MASKING;OPP-2,0.075,75,800M,CLR	1.54	SNA	
..2		6902-000622	BAG SHEET;HDPE/NITRON,T0.015/T1.0,W1000,	1	SNA	
..2		BH69-00418A	BAG WRAPPING;LDPE,762,1828M,SAMEX FACTOR	0.33	SNA	
..2		BH69-40321C	PACKING INNER-00,PAD;COMM,CB,2030,140,CG	1	SNA	
..2		BH69-40358A	PACKING INNER-00,PAD;COMM,CB,815,1154,CQ	1	SNA	
..2	T0603	BN69-00131Q	PALLET;DELL 1504FP-HAS,OTHER,1270,880,12	1	SNA	
..2	T0246	BN69-04489A	CUSHION-SET;UC 4000 22inch,EPS	1	SNA	
..2	T0524	6902-001067	BAG PE;HDPE/NITRON,T0.015/T0.5,W700,L600	1	SNA	
..2	T0527	BN68-00129A	LABEL SHIPPING-00;LABEL SHIPPING,ART-PAP	1	SNA	
0.1		BN92-05758C	ASSY LABEL;NEW MODEL	1	SNA	
..2		BN68-02602D	LABEL-01,LED POP;U4000(22),PET,T0.05,100	1	SNA	
..2	T0527	BP68-00052B	LABEL-00,RATING;CCTV,TETRON PAPER,T0.05,	1	SNA	
..2	T0527	AA68-03752B	LABEL-STICKER;WW,ALL,Art Paper(90g),25,3	1	SNA	
0.1		BN92-06066A	ASSY BOX;UC4000 22, LATIN	1	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
..2	T0077	BH68-00329D	LABEL BAR CODE-02;NO CE,NO WT`Y,MPRII,LA	1	SNA	
..2	M0120	BH75-10529A	UNIT-HANDLE PACKING;LXA410TLMU,PE,WHITE	1	SNA	
...3	M0019	BN72-60001A	LEVER-TOP;LSD210TL,PE-LD,WHITE,TFT_LCD	1	SNA	
...3		BN72-60002A	LEVER-BOTTOM;LSD210TL,PE-LD,WHITE,TFT-LC	1	SNA	
..2		BN69-04710B	BOX-01,SET;22UC4000,CB,A-01,SW2,Sticker,	2	SNA	
0.1	ACCE1	BN92-06182P	ASSY ACCESSORY;NEW MODEL	1	SNA	
..2		BN96-13484A	ASSY ACCESSORY-MANUAL;UN22C4000PXZL	1	SNA	
...3		6801-001230	CARD-WARRANTY;COLOBIA,SCL,SPANISH,MOJO10	1	SNA	
...3	T0524	6902-000018	BAG PE;LDPE,T0.1,W280,L400,CLEAR,8,2,20.	1	SNA	
...3		AA68-03242L	MANUAL FLYER-07,SAFETY GUIDE;comm,Samsun	1	SNA	
...3		AA68-03727A	MANUAL FLYER-01,WARRANTY CARD;All,SAMSUN	1	SNA	
...3	M9889	BN63-01798B	CLOTH-CLEAN;cloth,180,200,sea blue,ToC	1	SA	
...3	T0527	BN68-00513A	LABEL-E,PASS;ALL MODEL,YUPO(110G),50X15,	1	SNA	
...3		BN68-02186A	MANUAL FLYER-TOC GUIDE;COMM,SAMSUNG,11 L	1	SNA	
...3		BN68-02772A	MANUAL FLYER-STAND GUIDE;Comm,Samsung,W/	1	SNA	
...3		BN68-02865A	MANUAL USERS-IB;Comm,Samsung,Eng/Spa,S.A	1	SNA	
..2	ACCE2	BN96-10150H	ASSY ACCESSORY-CABLE;UN22C4000PXZL	1	SNA	
...3	EC11	3903-000542	CBF-POWER CORD;DT,THAIWAN,LP-70L,125V,7A	1	SA	
...3	T0685	4301-000103	BATTERY-ALKALINE;1.5V,750mAH,LR03,10.5x4	2	SNA	
...3	T0524	6902-001107	BAG PE;LDPE,T0.05,W450,L400,TRP,0,3Separ	1	SNA	
...3	REMO2	BN59-01018A	REMOCON;TM1050,SAMSUNG,20PIN SINGLE,48KE	1	SA	
...3		BN61-05596A	HOLDER-WIRE CABLE;LED TV,LDPE,T0.8,L150,	1	SNA	
...3	T0527	BN68-00513A	LABEL-E,PASS;ALL MODEL,YUPO(110G),50X15,	1	SNA	
0.1		BN90-02596A	ASSY COVER FRONT;UC4000 22	1	SNA	
..2	T0527	AA68-03539A	LABEL BAR CODE;65X40mm,ART PAPER	1	SNA	
..2	T0003	BN96-13150A	ASSY COVER P-FRONT;UC4000 22,UO,PMMA+PMM	1	SA	
...3		BN61-06213A	BRACKET-STOPPER BOSS;C8K,SECC+SK5,T1.2	6	SNA	
...3		BN61-06215A	BRACKET-STOPPER PANEL;C8K,SK5,0.5T	1	SNA	
...3	CCM1	BN63-02183D	COVER-SHEET;Rhcm,PE Vinyl,T0.04,680mm,20	0.45	SNA	
...3	CCM1	BN63-05199B	COVER-SHEET;AMBER,PE,T0.08,W65mm,200M,CL	2.4	SNA	
...3	CCM1	BN63-05199D	COVER-SHEET;AMBER,PE,T0.08,W75mm,200M,CL	1	SNA	
...3	M0125	BN96-12884B	ASSY BOARD P-TOUCH FUNCTION&IR;UE22C4000	1	SA	
...3		AA60-00171W	SPACER;GTR32K*,FELT,460,T0.35,10	2	SNA	
...3	T0069	BN60-00134A	SPACER-FELT;L250mm,BLK,T0.35mm,W10mm	2	SNA	
...3	T0382	BP61-00495C	HOLDER-CARE;PJT,ACRYL-FOAM,T0.25,W30.0mm	0.24	SNA	
...3	T0382	BP61-00509C	HOLDER-CARE;PJT,ACRYL-FOAM,T0.25,W20.0mm	0.16	SNA	
...3		BN60-00162L	SPACER-FOAM;FOAM,50000mm,Dark Gray,0.5T,	1.5	SNA	
...3	M0112	BN63-06560A	COVER-FRONT;UC4000 22,UO,PMMA+PMMA/ABS,H	1	SNA	
...3	T0175	BN96-12945A	ASSY SPEAKER P;16ohm,4pin,3W,L : 360 R:	1	SA	
0.1	R001A	BN90-02599J	ASSY COVER REAR;UC4000 22	1	SNA	
..2	R001A	BN96-13153J	ASSY COVER P-REAR;UC4000 22,LO,PCM,BKN-P	1	SA	
...3	M0081	6003-000115	SCREW-TAPTYPE;BH,+,B,M3,L6,ZPC(BLK),SWRC	2	SNA	
...3	T0101	BN61-06288A	BRACKET-WALL;UC4k 19/22,SECC,T1.0	2	SNA	
...3		BN68-02530T	LABEL-TERMINAL BOTTOM;UC4000 22/26,LO,PE	1	SNA	
...3		BN96-13400A	ASSY MISC P-INSULATOR;UC4000 22,PC,T0.43	1	SNA	
....4	T0278	BN60-00122B	SPACER-SPONGE;UB7000,CR,L140,T2.0,W10	2	SNA	
....4		BN63-06772A	SHEET-INSULATOR;UC4K-22,PC,T0.4,150*170	1	SNA	
...3	M0006	BN63-06563A	COVER-REAR;UC 4000 22,UO/KO,PCM,0.5T,BKN	1	SNA	
...3		BN60-00162Q	SPACER-FOAM;FOAM,50000mm,Dark Gray,0.35T	1	SNA	
...3		BN68-02531A	LABEL-TERMINAL SIDE;LED,PET,T0.05,UO(19-	1	SNA	
..2	SCREW	6003-001782	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	13	SA	

5. Exploded View & Part List

5-1. UN26C4000P Exploded View



5-1-1. UN26C4000P Parts List

Location No.	Code No.	Description & Specification	Q'ty	S.A/S.N.A	Remark
BA001	BN61-06205A	BRACKET-AV;UC 4000,PCM,0.45,BKN-P824,UO	1	SNA	
M0014	BN94-03735S	ASSY PCB MAIN;UN26C4000PX*	1	SA	
M0027	BN96-13156A	ASSY STAND P-BASE;UC4000 26,ABS+PMMA,HB,	1	SA	
P001A	BN44-00349A	DC VSS-LED TV PD BD;PD32AF0E_ZSM,PSLF900	1	SA	
PANEL	BN07-00847A	LCD-PANEL;T260HAE1-DB,CLL3AC1,8bits,26,1	1	SA	
R001A	BN96-13154J	ASSY COVER P-REAR;UC4000 26,LO,PCM,BKN-P	1	SA	
SB05A	BN96-14217A	ASSY BRACKET P-STAND LINK;UC4000 26,SECC	1	SNA	
T0003	BN96-13151A	ASSY COVER P-FRONT;UC4000 26,UO,PMMA+PMM	1	SA	
T0175	BN96-12945B	ASSY SPEAKER P;16ohm,4pin,5W,L : 280 R:	1	SA	
T0920	BN61-06220A	GUIDE-STAND;UC6500 32inch,PC,G/F 20%,V2,	1	SNA	

5-2. UN26C4000P Parts List

Service Bom (SA: SERVICE AVAILABLE, SNA: SERVICE NOT AVAILABLE)

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
0.1	M0216	BN90-02603C	ASSY STAND;UC4000 26	1	SNA	
..2	M0027	BN96-13156A	ASSY STAND P-BASE;UC4000 26,ABS+PMMA,HB,	1	SA	
...3	M0081	6003-001003	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	3	SA	
...3	CCM1	BN63-02183D	COVER-SHEET;Rhcm,PE Vinyl,T0.04,680mm,20	0.4	SNA	
...3		BN63-06748A	COVER-STAND BASE;UC4000 26,ABS+PMMA,HB,B	1	SNA	
...3	M0126	BN73-00052B	RUBBER-FOOT;42Q9,c9,CR Rubber Gray,T3.0	7	SNA	
...3	M0029	BN96-10690A	ASSY STAND P-GUIDE;NECK,PETG,V2,TP0003,3	1	SA	
....4	GSN01	BN61-05993A	GUIDE-STAND NECK;32,LC650,PETG,V2,TP0003	1	SNA	
....4		BN61-06078B	GUIDE-NECK-INSERT;LC650 32,PETG HB,TP000	1	SNA	
..2	M0523	BN96-13392D	ASSY COVER P-GUIDE STAND;UC4000,PC+ABS G	1	SA	
...3	T0524	6902-001048	BAG PE;LDPE,T0.05,W160,L300,TRP,4g	1	SNA	
...3	T0920	BN61-06220A	GUIDE-STAND;UC6500 32inch,PC,G/F 20%,V2,	1	SNA	
...3		BN68-02824A	MANUAL FLYER-01,STAND GUIDE;5 ~ 6 series	1	SNA	
...3		BN96-12031C	ASSY ACCESSORY-SCREW;09 LEDTV,6003-00013	1	SNA	
....4	M0081	6003-000133	SCREW-TAPTYPE;BH,+,-,S,M4,L8,ZPC(BLK),SW	5	SA	
....4		6902-000336	BAG ZIPPER;LDPE,T0.05,W70,L80,TRP,0.500g	1	SNA	
....4		BN68-02215H	MANUAL FLYER-STAND GUIDE;B6000 ~ 8000,SA	1	SNA	
...3		BN96-12031M	ASSY ACCESSORY-SCREW;10 LEDTV(40/46/55),	1	SNA	
....4	M0081	6003-001003	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	5	SA	
....4		BN68-02908A	MANUAL FLYER;glass and metal base, 50x50	1	SNA	
....4		BN69-04419K	PACKING-BAG PE;UC5000,LDPE,70,90,4X12, 5	1	SNA	
...3		BN68-02368E	LABEL-ACCESSORY;A/P100G,T0.08,25mmX50mm,	1	SNA	
0.1	M0017	BN91-05005G	ASSY CHASSIS;NEW MODEL	1	SNA	
..2	M0014	BN94-03735S	ASSY PCB MAIN;UN26C4000PX*	1	SA	
...3		0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0.125	SNA	
...3		3701-001698	CONNECTOR-DSUB;15P,3ROW,FEMALE,ANGLE,NI	1	SA	
...3		3711-007302	HEADER-BOARD TO BOARD;BOX,18P,2R,2mm,ANG	1	SA	
...3	JA330	3722-002846	JACK-PHONE;1/6,NI,BLACK,ANGLE	3	SNA	
...3	JA333	3722-002847	JACK-PIN;5P(ULTRA SLIM),NI,BLACK,ANGLE(S	1	SNA	
...3	T0562	6046-001015	STAND OFF;#4-40,L5,Ni PLT,C3601,M3	2	SNA	
...3	T0756	AA68-01018A	LABEL-PQS;50mmX,13,WHITE	1	SNA	
...3	CIS3	BN40-00162A	TUNER;DTVS20CVH081A,NTSC,191CH,45.75MHz,	1	SA	
...3	BA001	BN61-06205A	BRACKET-AV;UC 4000,PCM,0.45,BKN-P824,UO	1	SNA	
...3	HDP01	BN61-06644A	HOLDER-PCB;LC750,NYNOL66,V0	1	SNA	
...3	T0066	BN62-00040A	HEAT SINK-ES;SAPPHIRE,T2.0,36*36*6.6,BLK	1	SNA	
...3		BN97-04542F	ASSY SMD;26C4000	1	SNA	
....4		0202-001767	SOLDER-CREAM;LST-5710,D20~38,Sn-57Bi-1Ag	2.626	SNA	
....4	DS01A	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	11	SA	
....4	D0254	0402-000553	DIODE-SCHOTTKY;SS24/B240,40V,2000mA,DO-2	1	SA	
....4		0403-001783	DIODE-ZENER;BZB84-C6V2,5.8/6.6V,300mW,SO	9	SNA	
....4		0403-001785	DIODE-ZENER;NZH5V1B,4.94/5.2V,500mW,SOD-	1	SA	
....4	D0254	0404-001404	DIODE-SCHOTTKY;BAT721C,40V,200mA,SOT-23,	5	SA	
....4	T0139	0406-001200	DIODE-TVS;RCLAMP0504F,6/-/-V,150W,SC-70	1	SA	
....4	Q101	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	11	SA	
....4	CEQ2	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	7	SA	
....4	Q409	0505-002572	FET-SILICON;AO4801AL,P,-30V,-5.6A,0.075o	1	SA	
....4	T0596	0904-002554	IC-USC;AU6256-JBF,QFN,28P,5x5mm,12MHz,TP	1	SA	
....4	IC106	1001-001573	IC-VIDEO SWITCH;Sil9287BCNUTR,QFN,72P,10	1	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4		1006-001266	IC-LINE TRANSCEIVER;3232,TSSOP,16P,174MI	1	SA	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8,SOP,8P,5x4mm	2	SA	
....4	IC112	1103-001385	IC-EEPROM;AT24C256,256Kbit,32Kx8,SOP,8P,	1	SA	
....4		1105-002058	IC-DDR2 SDRAM;K4T1G164QE-HCF8,DDR2,1Gbit	2	SA	
....4	T0085	1201-002849	IC-AUDIO AMP;DRV603,TSSOP,14P,5x4.4mm,DU	1	SA	
....4	T0124	1201-002993	IC-POWER AMP;TAS5715,HTQFP,48P,7x7mm,DUA	1	SA	
....4	T0087	1203-002835	IC-POSI.FIXED REG.;KIA7805AF,DPAK,3P,6.6	1	SA	
....4	T0087	1203-002898	IC-POSI.FIXED REG.;G950T45R,T0-252,3P,6.	1	SA	
....4		1203-004364	IC-VOL. DETECTOR;RT9818C-42PV,SOT-23,3P,	1	SA	
....4		1203-005559	IC-BACKLIGHT DRIVER;MP3302DJ,TSOT23,5P,2	1	SA	
....4		1203-006017	IC-VOL. DETECTOR;RT9824GJ8,TSOT23,8P,2.9	1	SA	
....4		1203-006104	IC-DC/DC CONVERTER;MP8707EN,SOIC8E,8P,4.	1	SA	
....4		1203-006127	IC-DC/DC CONVERTER;MP28253EL,QFN,14P,3x4	1	SA	
....4	T0087	1203-006136	IC-POSI.FIXED REG.;AP1117D-18-GZ-13-89,T	1	SA	
....4	IC012	1203-006138	IC-POSI.ADJUST REG.;AP1117DGZ-13-89,TO-2	1	SA	
....4		1203-006288	IC-VOL. DETECTOR;RT9818B-18GV,SOT-23-3,3	1	SA	
....4		1203-006337	IC-POSI.FIXED REG.;G9091-330T11U,SOT-23-	1	SA	
....4		1204-003089	IC-DEMODULATOR;DRX39XYJ,PQFN,64P,9x9x0.8	1	SA	
....4		1204-003096	IC-VIDEO DECODER;HIDTVPRO-SX,PBGA,580P,P	1	SA	
....4		1205-003201	IC-BUS SWITCH;TC7WB125FK,SSOP,8P,2x2.3mm	2	SA	
....4		1205-003733	IC-SWITCH;AP2191MPG-13,MSOP-8L-EP,8P,2.9	1	SA	
....4		1405-001271	VARISTOR;20Vdc,5A,1.0x0.5x0.6mm,TP	18	SA	
....4	R512	2007-000107	R-CHIP;470Kohm,5%,1/10W,TP,1608	1	SA	
....4	ZR24	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	SA	
....4	R105	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	24	SA	
....4	MR306	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	12	SNA	
....4	R319	2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	39	SNA	
....4		2007-000146	R-CHIP;6.8Kohm,5%,1/16W,TP,1005	2	SNA	
....4	R102	2007-000149	R-CHIP;12Kohm,5%,1/16W,TP,1005	4	SA	
....4	HDR9	2007-000152	R-CHIP;20Kohm,5%,1/16W,TP,1005	2	SNA	
....4	MR36	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	6	SNA	
....4	AR43	2007-000155	R-CHIP;27Kohm,5%,1/16W,TP,1005	2	SNA	
....4	MR13	2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	5	SNA	
....4	R123	2007-000159	R-CHIP;56Kohm,5%,1/16W,TP,1005	2	SNA	
....4	DR39	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	4	SNA	
....4	R111	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	16	SNA	
....4	R338	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	6	SNA	
....4	UR23	2007-000174	R-CHIP;47ohm,5%,1/16W,TP,1005	1	SNA	
....4	R124	2007-000775	R-CHIP;33Kohm,5%,1/16W,TP,1005	5	SNA	
....4	HR3	2007-000903	R-CHIP;430ohm,1%,1/10W,TP,1608	1	SNA	
....4	DR37	2007-000932	R-CHIP;470ohm,5%,1/16W,TP,1005	4	SNA	
....4		2007-001237	R-CHIP;910ohm,1%,1/10W,TP,1608	1	SNA	
....4		2007-001285	R-CHIP;5.6ohm,5%,1/16W,TP,1005	2	SA	
....4	OTR1	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	4	SNA	
....4	R326	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	3	SNA	
....4		2007-001333	R-CHIP;18Kohm,5%,1/16W,TP,1005	1	SNA	
....4		2007-002768	R-CHIP;6.2Kohm,1%,1/10W,TP,1608	1	SA	
....4	MR316	2007-002796	R-CHIP;510ohm,5%,1/16W,TP,1005	3	SA	
....4	PR24	2007-002970	R-CHIP;56ohm,5%,1/16W,TP,1005	1	SA	
....4	TR30	2007-007009	R-CHIP;75ohm,5%,1/16W,TP,1005	3	SNA	
....4		2007-007135	R-CHIP;18Kohm,1%,1/16W,TP,1005	2	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	DR4	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	33	SNA	
....4		2007-007156	R-CHIP;1ohm,5%,1/16W,TP,1005	3	SNA	
....4		2007-007239	R-CHIP;31.6Kohm,1%,1/10W,TP,1608	1	SNA	
....4		2007-007315	R-CHIP;3.9Kohm,1%,1/16W,TP,1005	1	SNA	
....4		2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	9	SNA	
....4		2007-007573	R-CHIP;330Kohm,1%,1/16W,TP,1005	1	SC	
....4		2007-007587	R-CHIP;3.6Kohm,1%,1/16W,TP,1005	1	SNA	
....4		2007-007766	R-CHIP;2Kohm,1%,1/16W,TP,1005	1	SNA	
....4	MR11	2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	8	SNA	
....4		2007-008136	R-CHIP;36Kohm,1%,1/16W,TP,1005	1	SA	
....4	R54	2007-008426	R-CHIP;12.4Kohm,1%,1/10W,TP,1608	1	SNA	
....4		2007-008720	R-CHIP;4.7ohm,1%,1/4W,TP,3216	1	SNA	
....4		2011-001427	R-NETWORK;0ohm,5%,1/16W,L,CHIP,8P,TP,2.0	6	SA	
....4		2011-001449	R-NETWORK;22ohm,5%,1/16W,L,4P,TP,1010	3	SA	
....4		2011-001519	R-NETWORK;33OHM,5%,1/16W,L,CHIP,4P,TP,1.	3	SA	
....4		2011-001527	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,4P,TP,	6	SNA	
....4		2011-001589	R-NETWORK;0ohm,5%,1/16W,L,CHIP-V,4P,TP,1	1	SNA	
....4	C24	2203-000041	C-CER,CHIP;0.01nF,0.25pF,50V,C0G,1608	2	SNA	
....4	PC43	2203-000233	C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005	4	SA	
....4	MC302	2203-000425	C-CER,CHIP;.018nF,5%,50V,C0G,TP,1005	7	SA	
....4	C254	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,TP,1005	2	SA	
....4	C507	2203-000489	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005	3	SA	
....4	MC9	2203-000627	C-CER,CHIP;.022nF,5%,50V,C0G,TP,1005	2	SNA	
....4	AD480	2203-000679	C-CER,CHIP;0.027nF,5%,50V,C0G,1005	1	SA	
....4	AD480	2203-000714	C-CER,CHIP;3.3nF,10%,50V,X7R,TP,1005,-	2	SA	
....4	CK40B	2203-000838	C-CER,CHIP;0.39NF,5%,50V,C0G,TP,1608	1	SNA	
....4	KFC6	2203-000872	C-CER,CHIP;0.0030nF,0.25pF,50V,C0G,1608	2	SNA	
....4	DC87	2203-001153	C-CER,CHIP;.068nF,5%,50V,NP0,1005	2	SA	
....4	AD480	2203-001412	C-CER,CHIP;0.03nF,5%,50V,NP0,TP,1005	11	SNA	
....4	AD480	2203-001428	C-CER,CHIP;470nF,10%,50V,X7R,TP,2012	2	SNA	
....4	AD480	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	12	SNA	
....4	AD480	2203-002525	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1005	4	SNA	
....4	C33	2203-002687	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1005	4	SA	
....4	AAC1	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608	10	SNA	
....4	AD480	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005,-	1	SNA	
....4	AD480	2203-005968	C-CER,CHIP;4.7NF,10%,50V,X7R,TP,1005	2	SNA	
....4	AD480	2203-006126	C-CER,CHIP;47nF,10%,16V,X7R,1005	3	SNA	
....4	PC11	2203-006141	C-CER,CHIP;1000nF,10%,16V,X5R,1608	1	SNA	
....4	C102	2203-006158	C-CER,CHIP;100nF,10%,16V,X7R,1005	139	SNA	
....4	AD480	2203-006307	C-CER,CHIP;1000nF,10%,25V,X5R,2012	2	SNA	
....4	JC10	2203-006324	C-CER,CHIP;2200nF,10%,10V,X5R,1608	2	SA	
....4	AD480	2203-006336	C-CER,CHIP;10000nF,10%,25V,X5R,3216	11	SA	
....4	C125	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,TP,2012	38	SC	
....4	HE4	2203-006474	C-CER,CHIP;22000nF,20%,6.3V,X5R,2012	15	SA	
....4	AD480	2203-006841	C-CER,CHIP;1000nF,10%,16V,X5R,1005	14	SNA	
....4	AD480	2203-007176	C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012 (	2	SNA	
....4	T0052	2703-000158	INDUCTOR-SMD;1uH,10%,2012	4	SA	
....4	L1103	2703-000403	INDUCTOR-SMD;22uH,10%,3225	1	SA	
....4	T0052	2703-001239	INDUCTOR-SMD;3.3uH,10%,1608	3	SA	
....4	T0052	2703-002268	INDUCTOR-SMD;8.2nH,5%,1005	2	SNA	
....4	T0052	2703-002332	INDUCTOR-SMD;330nH,5%,1608	1	SA	

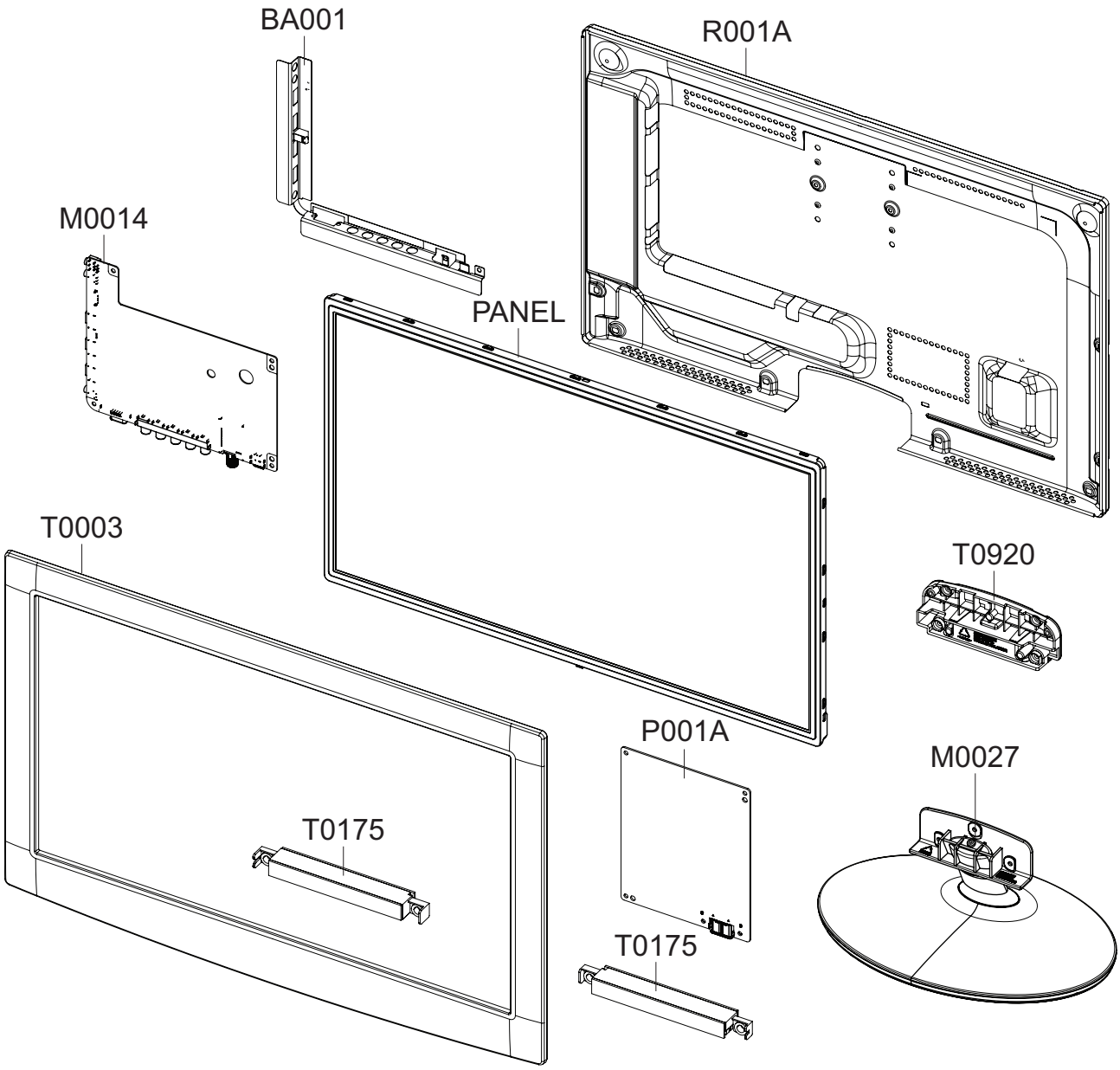
Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	T0052	2703-003790	INDUCTOR-SMD;4.7uH,20%,8080	2	SA	
....4	X202	2801-003326	CRYSTAL-SMD;24MHz,30ppm,28-ABX,20pF,50oh	1	SA	
....4	X202	2801-004004	CRYSTAL-SMD;20.25MHz,20ppm,28-AAN,13pF,2	1	SA	
....4	X202	2801-004775	CRYSTAL-SMD;12MHz,30ppm,16pF,30ohm,TP	1	SNA	
....4	F103	2901-001506	FILTER-EMI SMD;5V,0.13A,0pF,2x1x0.5mm,TP	2	SA	
....4	DR32	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,-,-,-	6	SNA	
....4	T0568	3301-001186	BEAD-SMD;600ohm,3216,2500mA,TP,553ohm/93	6	SA	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608	2	SNA	
....4	T0568	3301-002039	BEAD-SMD;26ohm,1608,TP	32	SA	
....4		3701-001293	CONNECTOR-HDMI;19P,2R,FEMALE,SMD-A,AU	2	SA	
....4	CN906	3707-001095	CONNECTOR-OPTICAL;SMD-A(Ultra Slim),SPDI	1	SA	
....4	AC510	3708-001150	CONNECTOR-FPC/FFC/PIC;30P,1mm,SMD-A,SN,Y	1	SA	
....4	HB01A	3711-005601	HEADER-BOARD TO CABLE;BOX,8P,1R,2mm,SMD-	1	SNA	
....4	HB01A	3711-007336	HEADER-BOARD TO CABLE;B0X,4P,1R,2.5mm,SM	1	SA	
....4		3722-003044	JACK-USB;4P/1C,NI,BLK,SMD-A,A-TYPE	1	SA	
....4		BN41-01330D	PCB MAIN;FR-4,4,1.2T,240*240	1	SNA	
....4		BN68-02775A	LABEL-SMD;ALL MODELS,8.5,21,COMMON	1	SNA	
....4	M0018	BN97-04025A	ASSY MICOM;T-TDT5AUSS-6002,2010.03.12	1	SNA	
.....5	IC115	1107-001580	IC-FLASH MEMORY;MX25L4005,4Mbit,512Kx8,S	1	SNA	
....4		BN97-04544A	ASSY MICOM-MAIN;UC4000	1	SNA	
.....5		1107-001818	IC-NAND FLASH;KFG1G16U2C-DIB6,1024Mbit,6	1	SNA	
.....5		BN68-02303A	LABEL-IC;9.5MMX8MM,ART PAPER	1	SNA	
...3	T0066	BP62-00047A	HEAT SINK-ES;DLP,A6063S,T2.5,13,13,TAPE	2	SNA	
0.1		BN91-05171A	ASSY LCD-CMO;BN07-00847A	1	SNA	
..2	PANEL	BN07-00847A	LCD-PANEL;T260HAE1-DB,CLL3AC1,8bits,26,1	1	SA	
0.1		BN91-05373U	ASSY SHIELD;NEW MODEL	1	SNA	
..2	T0081	6001-002283	SCREW-MACHINE;BH,+,M3,L5,ZPC(WHT),SWRCH1	7	SNA	
..2	M2893	BN39-01267A	LEAD CONNECTOR;LA32B450,UL 2651 AWG#26,1	1	SA	
..2	P001A	BN44-00349A	DC VSS-LED TV PD BD;PD32AF0E_ZSM,PSLF900	1	SA	
..2	CCMM1	BN73-00211B	SILICON/RUBBER;UN46B9000XFXZA,SILICON+PO	1	SNA	
..2	M0230	BN96-12469L	ASSY CABLE P-FFC;UN26C4000PFXZA,FFC,0.3m	1	SA	
..2	T0081	6001-002610	SCREW-MACHINE;BH,+,M4,L6,ZPC(BLK),SWRCH1	2	SA	
..2	SCREW	6003-001782	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	2	SA	
..2	SB05A	BN96-14217A	ASSY BRACKET P-STAND LINK;UC4000 26,SECC	1	SNA	
...3		BN61-02932G	BRACKET-STOPPER NUT;LED TV,M4,D6,L6.5,BR	2	SNA	
...3		BN61-06285A	BRACKET-STAND,LINK;UC4000 26INCH,SECC,T	1	SNA	
..2	T0081	6001-000115	SCREW-MACHINE;BH,+,-,M3,L10,ZPC(WHT),SWR	2	SNA	
..2	CIS1	0203-001586	TAPE-FILAMENT;#893,0.15,25,55	0.08	SNA	
0.1		BN92-05734M	ASSY BOX;UC4000 26	1	SNA	
..2	T0077	BH68-00329D	LABEL BAR CODE-02;NO CE,NO WT`Y,MPRII,LA	1	SNA	
..2		BN69-04787B	BOX-02,SET;26UC4000-PS,CB,A-01,DW2,W721,	2	SNA	
..2		BN66-00016A	LEVER-TOP;L450,LDPE,GRAY	1	SNA	
..2		BN66-00017A	LEVER-BOTTOM;L450,PP,GRAY	1	SNA	
0.1		BN92-05737A	ASSY P/MATERIAL;UC4000 26	1	SNA	
..2	T0214	0203-001595	TAPE-OPP MASKING;OPP-2,0.075,75,800M,CLR	1.77	SNA	
..2		6902-000622	BAG SHEET;HDPE/NITRON,T0.015/T1.0,W1000,	1	SNA	
..2	T0524	6902-000996	BAG PE;HDPE/NITRON,T0.015/T0.5,W800,L600	1	SNA	
..2		AA69-03207K	PAD-PLATE;1040,740,.000g	1	SNA	
..2		BH69-00418A	BAG WRAPPING;LDPE,762,1828M,SAMEX FACTOR	0.81	SNA	
..2		BH69-40321C	PACKING INNER-00,PAD;COMM,CB,2030,140,CG	1	SNA	
..2	T0527	BN68-00129A	LABEL SHIPPING-00;LABEL SHIPPING,ART-PAP	1	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
..2		BN69-01939P	PALLET-WOOD;26LB350,WOOD,W1040,D740,H120	1	SNA	
..2	T0246	BN69-04480A	CUSHION-01,SET;26UC4000,EPS,16.7g/l	1	SNA	
0.1		BN92-05758D	ASSY LABEL;NEW MODEL	1	SNA	
..2	T0527	AA68-03752B	LABEL-STICKER;WW,ALL,Art Paper(90g),25,3	1	SNA	
..2		BN68-02601D	LABEL-01,LED POP;U4000(26),PET,T0.05,100	1	SNA	
..2	T0527	BP68-00052B	LABEL-00,RATING;CCTV,TETRON PAPER,T0.05,	1	SNA	
0.1	ACCE1	BN92-06182R	ASSY ACCESSORY;NEW MODEL	1	SNA	
..2		BN96-13487A	ASSY ACCESSORY-MANUAL;UN26C4000PXZL	1	SNA	
...3		6801-001230	CARD-WARRANTY;COLOBIA,SCL,SPANISH,MOJO10	1	SNA	
...3	T0524	6902-000018	BAG PE;LDPE,T0.1,W280,L400,CLEAR,8,2,20.	1	SNA	
...3		AA68-03242L	MANUAL FLYER-07,SAFETY GUIDE;comm,Samsun	1	SNA	
...3		AA68-03727A	MANUAL FLYER-01,WARRANTY CARD;All,SAMSUN	1	SNA	
...3	T0527	BN68-00513A	LABEL-E,PASS;ALL MODEL,YUPO(110G),50X15,	1	SNA	
...3		BN68-02186A	MANUAL FLYER-TOC GUIDE;COMM,SAMSUNG,11 L	1	SNA	
...3		BN68-02865A	MANUAL USERS-IB;Comm,Samsung,Eng/Spa,S.A	1	SNA	
...3	M9889	BN63-01798B	CLOTH-CLEAN;cloth,180,200,sea blue,ToC	1	SA	
..2	ACCE2	BN96-10190B	ASSY ACCESSORY-CABLE;UN26C4000PXZL	1	SNA	
...3	EC11	3903-000542	CBF-POWER CORD;DT,THAIWAN,LP-70L,125V,7A	1	SA	
...3	T0685	4301-000103	BATTERY-ALKALINE;1.5V,750mAH,LR03,10.5x4	2	SNA	
...3	T0524	6902-001107	BAG PE;LDPE,T0.05,W450,L400,TRP,0,3Separ	1	SNA	
...3	REMO2	BN59-01018A	REMOCON;TM1050,SAMSUNG,20PIN SINGLE,48KE	1	SA	
...3		BN61-05596A	HOLDER-WIRE CABLE;LED TV,LDPE,T0.8,L150,	1	SNA	
...3	T0531	BN63-06542B	COVER-BOTTOM;UC4000 32,HIPS,V0,BK0020	1	SA	
...3	T0527	BN68-00513A	LABEL-E,PASS;ALL MODEL,YUPO(110G),50X15,	1	SNA	
...3	EH03A	BN96-10276B	ASSY HOLDER P-RING;09 LEDTV ALL MODEL,AB	1	SA	
....4		6902-000683	BAG ZIPPER;LDPE,T0.05,W60,L60,TRP,4-PE M	1	SNA	
....4	AH365	BN61-05280A	HOLDER-RING;LB7000 46inch,ABS, HB,gray	4	SNA	
...3	EH02A	BN96-10810A	ASSY HOLDER P;09 LEDTV MODEL,NYRON	1	SA	
....4	BAG	6902-000031	BAG ZIPPER;LDPE,T0.05,W80,L160,TRP,0,0,4	1	SNA	
....4	M0114	BN61-05373A	HOLDER-WIRE;LB7000 46,NYRON	3	SNA	
....4		BN61-05491A	HOLDER-WIRE STAND;UB7000 46inch,NYRON	1	SNA	
...3		BN96-12031D	ASSY ACCESSORY-SCREW;09 LEDTV(40/46/55),	1	SNA	
....4	M0081	6003-000133	SCREW-TAPTYPE;BH,+,-,S,M4,L8,ZPC(BLK),SW	1	SA	
....4		6902-000336	BAG ZIPPER;LDPE,T0.05,W70,L80,TRP,0.500g	1	SNA	
....4		BN68-02215K	MANUAL FLYER-COVER-BOTTOM GUIDE;COMM,SAM	1	SNA	
0.1		BN90-02597A	ASSY COVER FRONT;UC4000 26	1	SNA	
..2	T0527	AA68-03539A	LABEL BAR CODE;65X40mm,ART PAPER	1	SNA	
..2	T0003	BN96-13151A	ASSY COVER P-FRONT;UC4000 26,UO,PMMA+PMM	1	SA	
...3		BN61-06213A	BRACKET-STOPPER BOSS;C8K,SECC+SK5,T1.2	6	SNA	
...3		BN61-06215A	BRACKET-STOPPER PANEL;C8K,SK5,0.5T	1	SNA	
...3	CCM1	BN63-02183F	COVER-SHEET;Rhcm,PE Vinyl,T0.04,900mm,20	0.51	SNA	
...3	CCM1	BN63-05199B	COVER-SHEET;AMBER,PE,T0.08,W65mm,200M,CL	2.4	SNA	
...3	CCM1	BN63-05199D	COVER-SHEET;AMBER,PE,T0.08,W75mm,200M,CL	1	SNA	
...3	T0382	BP61-00509C	HOLDER-CARE;PJT,ACRYL-FOAM,T0.25,W20.0mm	0.16	SNA	
...3	M0125	BN96-12884C	ASSY BOARD P-TOUCH FUNCTION&IR;UE26C4000	1	SA	
...3		BN60-00162Q	SPACER-FOAM;FOAM,50000mm,Dark Gray,0.35T	2	SNA	
...3	M0112	BN63-06561A	COVER-FRONT;UC4000 26,UO,PMMA+PMMA/ABS,H	1	SNA	
...3	T0175	BN96-12945B	ASSY SPEAKER P;16ohm,4pin,5W,L : 280 R:	1	SA	
0.1	R001A	BN90-02600J	ASSY COVER REAR;UC4000 26	1	SNA	
..2	R001A	BN96-13154J	ASSY COVER P-REAR;UC4000 26,LO,PCM,BKN-P	1	SA	
...3		BN68-02530T	LABEL-TERMINAL BOTTOM;UC4000 22/26,LO,PE	1	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...3		BN96-13399A	ASSY MISC P-INSULATOR;UC4000 26,PC,T0.43	1	SNA	
....4	T0278	BN60-00122E	SPACER-SPONGE;UC6500,CR,L200,T2.0,W10	2	SNA	
....4		BN63-06773A	SHEET-INSULATOR;UC4k-26,PC,T0.4,217*207	1	SNA	
...3	M0006	BN63-06564A	COVER-REAR;UC4000 26.UO/KO,PCM,0.5T,BKN-	1	SNA	
...3		BN68-02531A	LABEL-TERMINAL SIDE;LED,PET,T0.05,UO(19-	1	SNA	
...3		BN60-00162Q	SPACER-FOAM;FOAM,50000mm,Dark Gray,0.35T	1	SNA	
..2	T0081	6001-002610	SCREW-MACHINE;BH,+,M4,L6,ZPC(BLK),SWRCH1	3	SA	
..2	SCREW	6003-001782	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	11	SA	
0				0		

5. Exploded View & Part List

5-1. UN22C4000P Exploded View



5-1-1. UN22C4000P Parts List

Location No.	Code No.	Description & Specification	Q'ty	S.A/S.N.A	Remark
BA001	BN61-06205C	BRACKET-AV;UC 4000-22",PCM,0.5,BKN-P824,	1	SNA	
M0014	BN94-03735R	ASSY PCB MAIN;UN22C4000PX*	1	SA	
M0027	BN96-11163E	ASSY STAND P-BASE;UC4000 19/22,ABS+PMMA,	1	SA	
P001A	BN44-00347C	DC VSS-LED TV PD BD;PD22AF0D_ZSM,PSLF650	1	SA	
PANEL	BN07-00865A	LCD-PANEL;T216HAE1-DB,CLL2AC1,6bit Hi-FR	1	SA	
R001A	BN96-13153J	ASSY COVER P-REAR;UC4000 22,LO,PCM,BKN-P	1	SA	
T0003	BN96-13150A	ASSY COVER P-FRONT;UC4000 22,UO,PMMA+PMM	1	SA	
T0175	BN96-12945A	ASSY SPEAKER P;16ohm,4pin,3W,L : 360 R:	1	SA	
T0920	BN61-06289A	GUIDE-STAND;UC4000 22,PC+G/F 20%,V2,BK00	1	SNA	

5-2. UN22C4000P Parts List

Service Bom (SA: SERVICE AVAILABLE, SNA: SERVICE NOT AVAILABLE)

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
0.1	M0216	BN90-02602B	ASSY STAND;UC4000 22	1	SNA	
..2	MASB1	BN96-10168C	ASSY STAND P-BODY;UC4000 22,PC	1	SA	
...3	T0524	6902-000023	BAG PE;LDPE,T0.08,W150,L120,TRP,1.650g	1	SNA	
...3	T0069	BN60-00119B	SPACER-FELT;ECOFIT 23"(P2370),FELT,L145,	1	SNA	
...3		BN61-05342B	STAND-BAR;UC4000 19,22,PC,ROSE BLK	1	SNA	
....4		BN61-05410B	STAND-BAR A;LB650 19",22",PC,TRD03(ROSE	1	SNA	
.....5		BN61-02932E	BRACKET-STOPPER NUT;ECOFIT 20,M4,D8,L12,	1	SNA	
....4		BN61-05413A	STAND-BAR B;LB650 19,22,PC,CLEAR	1	SNA	
...3		BN68-01529P	LABEL-STICKER;B650,W/W,ART PAPER,T0.05,5	1	SNA	
..2	M0027	BN96-11163E	ASSY STAND P-BASE;UC4000 19/22,ABS+PMMA,	1	SA	
...3	M0081	6003-001001	SCREW-TAPTYPE;FH,+,B,M3,L8,ZPC(BLK),SWRC	4	SNA	
...3	T0524	6902-000109	BAG PE;HDPE,T0.015,W350,L430,TRP,28,2,4.	1	SNA	
...3	CIS4	BN61-01717A	HOLDER-STAND;BIZET,NI PLT,CH,+,M4,L11(5)	1	SNA	
...3		BN61-05087A	BRACKET-STAND BOTTOM;ECOFIT 23",SECC T0.	1	SNA	
...3		BN63-05425E	COVER-STAND BASE;UC4000 19/22,ABS+PMMA,H	1	SNA	
...3		BN68-01529P	LABEL-STICKER;B650,W/W,ART PAPER,T0.05,5	1	SNA	
...3		BN68-02187A	MANUAL FLYER-STAND GUIDE;COMM,SAMSUNG,14	1	SNA	
...3	AR011	BN73-00077A	RUBBER FOOT;MATISSE,BUMPON,#13.5,T2.0,60	4	SNA	
...3	CCM1	BN63-02183D	COVER-SHEET;Rhcm,PE Vinyl,T0.04,680mm,20	0.4	SNA	
0.1	M0017	BN91-05005F	ASSY CHASSIS;NEW MODEL	1	SNA	
..2	M0014	BN94-03735R	ASSY PCB MAIN;UN22C4000PX*	1	SA	
...3		0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0.125	SNA	
...3		3701-001698	CONNECTOR-DSUB;15P,3ROW,FEMALE,ANGLE,NI	1	SA	
...3		3711-007302	HEADER-BOARD TO BOARD;BOX,18P,2R,2mm,ANG	1	SA	
...3	JA330	3722-002846	JACK-PHONE;1/6,NI,BLACK,ANGLE	3	SNA	
...3	JA333	3722-002847	JACK-PIN;5P(ULTRA SLIM),NI,BLACK,ANGLE(S	1	SNA	
...3	T0562	6046-001015	STAND OFF;#4-40,L5,Ni PLT,C3601,M3	2	SNA	
...3	T0756	AA68-01018A	LABEL-PQS;50mmX,13,WHITE	1	SNA	
...3	CIS3	BN40-00162A	TUNER;DTVS20CVH081A,NTSC,191CH,45.75MHz,	1	SA	
...3	BA001	BN61-06205C	BRACKET-AV;UC 4000-22",PCM,0.5,BKN-P824,	1	SNA	
...3	HDP01	BN61-06644A	HOLDER-PCB;LC750,NYNOL66,V0	1	SNA	
...3	T0066	BN62-00040A	HEAT SINK-ES;SAPPHIRE,T2.0,36*36*6.6,BLK	1	SNA	
...3		BN97-04542E	ASSY SMD;22C4000	1	SNA	
....4		0202-001767	SOLDER-CREAM;LST-5710,D20~38,Sn-57Bi-1Ag	2.626	SNA	
....4	DS01A	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	11	SA	
....4	D0254	0402-000553	DIODE-SCHOTTKY;SS24/B240,40V,2000mA,DO-2	1	SA	
....4		0403-001783	DIODE-ZENER;BZB84-C6V2,5.8/6.6V,300mW,SO	9	SNA	
....4		0403-001785	DIODE-ZENER;NZH5V1B,4.94/5.2V,500mW,SOD-	1	SA	
....4	D0254	0404-001404	DIODE-SCHOTTKY;BAT721C,40V,200mA,SOT-23,	5	SA	
....4	T0139	0406-001200	DIODE-TVS;RCLAMP0504F,6/-/-V,150W,SC-70	1	SA	
....4	Q101	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	11	SA	
....4	CEQ2	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	7	SA	
....4	Q409	0505-002572	FET-SILICON;AO4801AL,P,-30V,-5.6A,0.075o	1	SA	
....4	T0596	0904-002554	IC-USC;AU6256-JBF,QFN,28P,5x5mm,12MHz,TP	1	SA	
....4	IC106	1001-001573	IC-VIDEO SWITCH;Sil9287BCNUTR,QFN,72P,10	1	SNA	
....4		1006-001266	IC-LINE TRANSCEIVER;3232,TSSOP,16P,174MI	1	SA	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8,SOP,8P,5x4mm	2	SA	
....4	IC112	1103-001385	IC-EEPROM;AT24C256,256Kbit,32Kx8,SOP,8P,	1	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4		1105-002058	IC-DDR2 SDRAM;K4T1G164QE-HCF8,DDR2,1Gbit	2	SA	
....4	T0085	1201-002487	IC-AUDIO AMP;MAX9728A,QFN,12P,3x3mm,DUAL	1	SA	
....4	T0124	1201-002993	IC-POWER AMP;TAS5715,HTQFP,48P,7x7mm,DUA	1	SA	
....4	T0087	1203-002835	IC-POSI.FIXED REG.;KIA7805AF,DPAK,3P,6.6	1	SA	
....4	T0087	1203-002898	IC-POSI.FIXED REG.;G950T45R,T0-252,3P,6.	1	SA	
....4		1203-004364	IC-VOL. DETECTOR;RT9818C-42PV,SOT-23,3P,	1	SA	
....4		1203-005559	IC-BACKLIGHT DRIVER;MP3302DJ,TSOT23,5P,2	1	SA	
....4		1203-006017	IC-VOL. DETECTOR;RT9824GJ8,TSOT23,8P,2.9	1	SA	
....4		1203-006104	IC-DC/DC CONVERTER;MP8707EN,SOIC8E,8P,4.	1	SA	
....4		1203-006127	IC-DC/DC CONVERTER;MP28253EL,QFN,14P,3x4	1	SA	
....4	T0087	1203-006136	IC-POSI.FIXED REG.;AP1117D-18-GZ-13-89,T	1	SA	
....4	IC012	1203-006138	IC-POSI.ADJUST REG.;AP1117DGZ-13-89,TO-2	1	SA	
....4		1203-006288	IC-VOL. DETECTOR;RT9818B-18GV,SOT-23-3,3	1	SA	
....4		1203-006337	IC-POSI.FIXED REG.;G9091-330T11U,SOT-23-	1	SA	
....4		1204-003089	IC-DEMODULATOR;DRX39XYJ,PQFN,64P,9x9x0.8	1	SA	
....4		1204-003096	IC-VIDEO DECODER;HIDTVPRO-SX,PBGA,580P,P	1	SA	
....4		1205-003201	IC-BUS SWITCH;TC7WB125FK,SSOP,8P,2x2.3mm	2	SA	
....4		1205-003733	IC-SWITCH;AP2191MPG-13,MSOP-8L-EP,8P,2.9	1	SA	
....4		1405-001271	VARISTOR;20Vdc,5A,1.0x0.5x0.6mm,TP	19	SA	
....4	PR6	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	2	SNA	
....4	R512	2007-000107	R-CHIP;470Kohm,5%,1/10W,TP,1608	1	SA	
....4	ZR24	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	SA	
....4	R105	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	25	SA	
....4	MR306	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	12	SNA	
....4	R319	2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	40	SNA	
....4		2007-000146	R-CHIP;6.8Kohm,5%,1/16W,TP,1005	2	SNA	
....4	R104	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	2	SA	
....4	R102	2007-000149	R-CHIP;12Kohm,5%,1/16W,TP,1005	4	SA	
....4	MR36	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	6	SNA	
....4	AR43	2007-000155	R-CHIP;27Kohm,5%,1/16W,TP,1005	2	SNA	
....4	MR13	2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	3	SNA	
....4	R123	2007-000159	R-CHIP;56Kohm,5%,1/16W,TP,1005	4	SNA	
....4	DR39	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	4	SNA	
....4	R111	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	14	SNA	
....4	R338	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	7	SNA	
....4	UR23	2007-000174	R-CHIP;47ohm,5%,1/16W,TP,1005	1	SNA	
....4	R124	2007-000775	R-CHIP;33Kohm,5%,1/16W,TP,1005	3	SNA	
....4	HR3	2007-000903	R-CHIP;430ohm,1%,1/10W,TP,1608	1	SNA	
....4	DR37	2007-000932	R-CHIP;470ohm,5%,1/16W,TP,1005	2	SNA	
....4		2007-001237	R-CHIP;910ohm,1%,1/10W,TP,1608	1	SNA	
....4		2007-001285	R-CHIP;5.6ohm,5%,1/16W,TP,1005	2	SA	
....4	OTR1	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	4	SNA	
....4	R326	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	3	SNA	
....4		2007-001333	R-CHIP;18Kohm,5%,1/16W,TP,1005	1	SNA	
....4		2007-002768	R-CHIP;6.2Kohm,1%,1/10W,TP,1608	1	SA	
....4	MR316	2007-002796	R-CHIP;510ohm,5%,1/16W,TP,1005	3	SA	
....4	PR24	2007-002970	R-CHIP;56ohm,5%,1/16W,TP,1005	1	SA	
....4	TR30	2007-007009	R-CHIP;75ohm,5%,1/16W,TP,1005	3	SNA	
....4		2007-007135	R-CHIP;18Kohm,1%,1/16W,TP,1005	2	SNA	
....4	DR4	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	32	SNA	
....4		2007-007156	R-CHIP;1ohm,5%,1/16W,TP,1005	3	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4		2007-007239	R-CHIP;31.6Kohm,1%,1/10W,TP,1608	1	SNA	
....4		2007-007315	R-CHIP;3.9Kohm,1%,1/16W,TP,1005	1	SNA	
....4		2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	11	SNA	
....4		2007-007573	R-CHIP;330Kohm,1%,1/16W,TP,1005	1	SC	
....4		2007-007587	R-CHIP;3.6Kohm,1%,1/16W,TP,1005	1	SNA	
....4		2007-007766	R-CHIP;2Kohm,1%,1/16W,TP,1005	1	SNA	
....4	MR11	2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	8	SNA	
....4		2007-008136	R-CHIP;36Kohm,1%,1/16W,TP,1005	1	SA	
....4	R54	2007-008426	R-CHIP;12.4Kohm,1%,1/10W,TP,1608	1	SNA	
....4		2007-008720	R-CHIP;4.7ohm,1%,1/4W,TP,3216	1	SNA	
....4		2011-001427	R-NETWORK;0ohm,5%,1/16W,L,CHIP,8P,TP,2.0	6	SA	
....4		2011-001449	R-NETWORK;22ohm,5%,1/16W,L,4P,TP,1010	3	SA	
....4		2011-001519	R-NETWORK;33OHM,5%,1/16W,L,CHIP,4P,TP,1.	3	SA	
....4		2011-001527	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,4P,TP,	6	SNA	
....4		2011-001589	R-NETWORK;0ohm,5%,1/16W,L,CHIP-V,4P,TP,1	1	SNA	
....4	PC43	2203-000233	C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005	4	SA	
....4	MC302	2203-000425	C-CER,CHIP;.018nF,5%,50V,C0G,TP,1005	7	SA	
....4	C254	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,TP,1005	2	SA	
....4	C507	2203-000489	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005	3	SA	
....4	MC9	2203-000627	C-CER,CHIP;.022nF,5%,50V,C0G,TP,1005	2	SNA	
....4	AD480	2203-000679	C-CER,CHIP;0.027nF,5%,50V,C0G,1005	1	SA	
....4	CK40B	2203-000838	C-CER,CHIP;0.39NF,5%,50V,C0G,TP,1608	1	SNA	
....4	KFC6	2203-000872	C-CER,CHIP;0.0030nF,0.25pF,50V,C0G,1608	2	SNA	
....4	DC87	2203-001153	C-CER,CHIP;.068nF,5%,50V,NP0,1005	2	SA	
....4	AD480	2203-001412	C-CER,CHIP;0.03nF,5%,50V,NP0,TP,1005	11	SNA	
....4	AD480	2203-001428	C-CER,CHIP;470nF,10%,50V,X7R,TP,2012	2	SNA	
....4	AD480	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	12	SNA	
....4	AD480	2203-002525	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1005	4	SNA	
....4	C33	2203-002687	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1005	4	SA	
....4	AAC1	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608	10	SNA	
....4	AD480	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005,-	1	SNA	
....4	AD480	2203-005968	C-CER,CHIP;4.7NF,10%,50V,X7R,TP,1005	2	SNA	
....4	AD480	2203-006126	C-CER,CHIP;47nF,10%,16V,X7R,1005	3	SNA	
....4	PC11	2203-006141	C-CER,CHIP;1000nF,10%,16V,X5R,1608	6	SNA	
....4	C102	2203-006158	C-CER,CHIP;100nF,10%,16V,X7R,1005	141	SNA	
....4	AD480	2203-006307	C-CER,CHIP;1000nF,10%,25V,X5R,2012	2	SNA	
....4	JC10	2203-006324	C-CER,CHIP;2200nF,10%,10V,X5R,1608	2	SA	
....4	AD480	2203-006336	C-CER,CHIP;10000nF,10%,25V,X5R,3216	11	SA	
....4	C125	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,TP,2012	33	SC	
....4	HE4	2203-006474	C-CER,CHIP;22000nF,20%,6.3V,X5R,2012	15	SA	
....4	AD480	2203-006841	C-CER,CHIP;1000nF,10%,16V,X5R,1005	13	SNA	
....4	AD480	2203-007176	C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012 (	2	SNA	
....4	T0052	2703-000158	INDUCTOR-SMD;1uH,10%,2012	4	SA	
....4	L1103	2703-000403	INDUCTOR-SMD;22uH,10%,3225	1	SA	
....4	T0052	2703-001239	INDUCTOR-SMD;3.3uH,10%,1608	3	SA	
....4	T0052	2703-002268	INDUCTOR-SMD;8.2nH,5%,1005	2	SNA	
....4	T0052	2703-002332	INDUCTOR-SMD;330nH,5%,1608	1	SA	
....4	T0052	2703-003790	INDUCTOR-SMD;4.7uH,20%,8080	2	SA	
....4	X202	2801-003326	CRYSTAL-SMD;24MHz,30ppm,28-ABX,20pF,50oh	1	SA	
....4	X202	2801-004004	CRYSTAL-SMD;20.25MHz,20ppm,28-AAN,13pF,2	1	SA	
....4	X202	2801-004775	CRYSTAL-SMD;12MHz,30ppm,16pF,30ohm,TP	1	SNA	

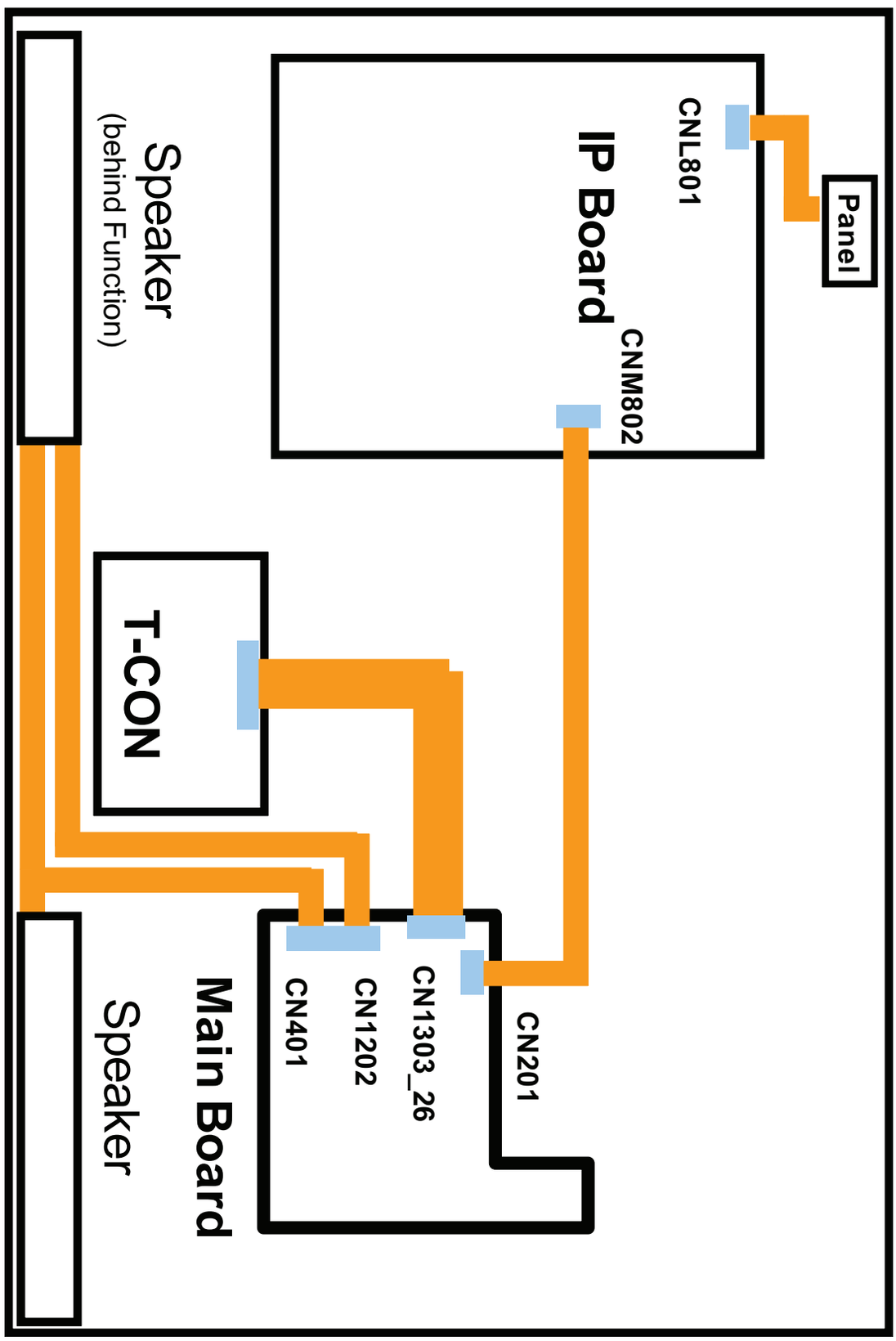
Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	F103	2901-001506	FILTER-EMI SMD;5V,0.13A,0pF,2x1x0.5mm,TP	2	SA	
....4	DR32	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,-,-,-	6	SNA	
....4	T0568	3301-001186	BEAD-SMD;600ohm,3216,2500mA,TP,553ohm/93	6	SA	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608	2	SNA	
....4	T0568	3301-002039	BEAD-SMD;26ohm,1608,TP	32	SA	
....4		3701-001293	CONNECTOR-HDMI;19P,2R,FEMALE,SMD-A,AU	2	SA	
....4	CN906	3707-001095	CONNECTOR-OPTICAL;SMD-A(Ultra Slim),SPDI	1	SA	
....4	AC510	3708-001150	CONNECTOR-FPC/FFC/PIC;30P,1mm,SMD-A,SN,Y	1	SA	
....4	HB01A	3711-005601	HEADER-BOARD TO CABLE;BOX,8P,1R,2mm,SMD-	1	SNA	
....4	HB01A	3711-007336	HEADER-BOARD TO CABLE;B0X,4P,1R,2.5mm,SM	1	SA	
....4		3722-003044	JACK-USB;4P/1C,NI,BLK,SMD-A,A-TYPE	1	SA	
....4		BN41-01330D	PCB MAIN;FR-4,4,1.2T,240*240	1	SNA	
....4		BN68-02775A	LABEL-SMD;ALL MODELS,8.5,21,COMMON	1	SNA	
....4	M0018	BN97-04025A	ASSY MICOM;T-TDT5AUSS-6002,2010.03.12	1	SNA	
.....5	IC115	1107-001580	IC-FLASH MEMORY;MX25L4005,4Mbit,512Kx8,S	1	SNA	
....4		BN97-04544A	ASSY MICOM-MAIN;UC4000	1	SNA	
.....5		1107-001818	IC-NAND FLASH;KFG1G16U2C-DIB6,1024Mbit,6	1	SNA	
.....5		BN68-02303A	LABEL-IC;9.5MMX8MM,ART PAPER	1	SNA	
...3	T0066	BP62-00047A	HEAT SINK-ES;DLP,A6063S,T2.5,13,13,TAPE	2	SNA	
0.1		BN91-05170A	ASSY LCD-CMO;BN07-00865A	1	SNA	
..2	PANEL	BN07-00865A	LCD-PANEL;T216HAE1-DB,CLL2AC1,6bit Hi-FR	1	SA	
0.1		BN91-05373T	ASSY SHIELD;NEW MODEL	1	SNA	
..2	T0081	6001-002283	SCREW-MACHINE;BH,+,M3,L5,ZPC(WHT),SWRCH1	7	SNA	
..2	M2893	BN39-01267L	LEAD CONNECTOR;UC4Q,Flat Connector Ass'y	1	SA	
..2	T0531	BN63-06700A	COVER-BOTTOM;UC4000 22,HIPS,V0,BK0020	1	SA	
..2	CCMM1	BN73-00211B	SILICON/RUBBER;UN46B9000XFXZA,SILICON+PO	1	SNA	
..2	M0230	BN96-12447N	ASSY CABLE P-FFC;UN22C4000PFXZA,FFC,0.3m	1	SA	
..2	M0525	BN96-13413A	ASSY COVER P-GUIDE STAND;UC4000 19/22,PC	1	SA	
...3	M0081	6003-001001	SCREW-TAPTYPE;FH,+,B,M3,L8,ZPC(BLK),SWRC	1	SNA	
...3	T0920	BN61-06289A	GUIDE-STAND;UC4000 22,PC+G/F 20%,V2,BK00	1	SNA	
...3	T0060	BN61-05091A	SPRING ETC-STAND;ECOFIT 23",SK5,T0.3	1	SNA	
..2	T0081	6001-002610	SCREW-MACHINE;BH,+,M4,L6,ZPC(BLK),SWRCH1	2	SA	
..2	SCREW	6003-001782	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	5	SA	
..2	T0081	6001-000115	SCREW-MACHINE;BH,+,-,M3,L10,ZPC(WHT),SWR	2	SNA	
..2	P001A	BN44-00347C	DC VSS-LED TV PD BD;PD22AF0D_ZSM,PSLF650	1	SA	
..2	CIS1	0203-001586	TAPE-FILAMENT;#893,0.15,25,55	0.08	SNA	
0.1		BN92-05736A	ASSY P/MATERIAL;UC4000 22	1	SNA	
..2	T0214	0203-001595	TAPE-OPP MASKING;OPP-2,0.075,75,800M,CLR	1.54	SNA	
..2		6902-000622	BAG SHEET;HDPE/NITRON,T0.015/T1.0,W1000,	1	SNA	
..2		BH69-00418A	BAG WRAPPING;LDPE,762,1828M,SAMEX FACTOR	0.33	SNA	
..2		BH69-40321C	PACKING INNER-00,PAD;COMM,CB,2030,140,CG	1	SNA	
..2		BH69-40358A	PACKING INNER-00,PAD;COMM,CB,815,1154,CQ	1	SNA	
..2	T0603	BN69-00131Q	PALLET;DELL 1504FP-HAS,OTHER,1270,880,12	1	SNA	
..2	T0246	BN69-04489A	CUSHION-SET;UC 4000 22inch,EPS	1	SNA	
..2	T0524	6902-001067	BAG PE;HDPE/NITRON,T0.015/T0.5,W700,L600	1	SNA	
..2	T0527	BN68-00129A	LABEL SHIPPING-00;LABEL SHIPPING,ART-PAP	1	SNA	
0.1		BN92-05758C	ASSY LABEL;NEW MODEL	1	SNA	
..2		BN68-02602D	LABEL-01,LED POP;U4000(22),PET,T0.05,100	1	SNA	
..2	T0527	BP68-00052B	LABEL-00,RATING;CCTV,TETRON PAPER,T0.05,	1	SNA	
..2	T0527	AA68-03752B	LABEL-STICKER;WW,ALL,Art Paper(90g),25,3	1	SNA	
0.1		BN92-06066A	ASSY BOX;UC4000 22, LATIN	1	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
..2	T0077	BH68-00329D	LABEL BAR CODE-02;NO CE,NO WT`Y,MPRII,LA	1	SNA	
..2	M0120	BH75-10529A	UNIT-HANDLE PACKING;LXA410TLMU,PE,WHITE	1	SNA	
...3	M0019	BN72-60001A	LEVER-TOP;LSD210TL,PE-LD,WHITE,TFT_LCD	1	SNA	
...3		BN72-60002A	LEVER-BOTTOM;LSD210TL,PE-LD,WHITE,TFT-LC	1	SNA	
..2		BN69-04710B	BOX-01,SET;22UC4000,CB,A-01,SW2,Sticker,	2	SNA	
0.1	ACCE1	BN92-06182P	ASSY ACCESSORY;NEW MODEL	1	SNA	
..2		BN96-13484A	ASSY ACCESSORY-MANUAL;UN22C4000PXZL	1	SNA	
...3		6801-001230	CARD-WARRANTY;COLOBIA,SCL,SPANISH,MOJO10	1	SNA	
...3	T0524	6902-000018	BAG PE;LDPE,T0.1,W280,L400,CLEAR,8,2,20.	1	SNA	
...3		AA68-03242L	MANUAL FLYER-07,SAFETY GUIDE;comm,Samsun	1	SNA	
...3		AA68-03727A	MANUAL FLYER-01,WARRANTY CARD;All,SAMSUN	1	SNA	
...3	M9889	BN63-01798B	CLOTH-CLEAN;cloth,180,200,sea blue,ToC	1	SA	
...3	T0527	BN68-00513A	LABEL-E,PASS;ALL MODEL,YUPO(110G),50X15,	1	SNA	
...3		BN68-02186A	MANUAL FLYER-TOC GUIDE;COMM,SAMSUNG,11 L	1	SNA	
...3		BN68-02772A	MANUAL FLYER-STAND GUIDE;Comm,Samsung,W/	1	SNA	
...3		BN68-02865A	MANUAL USERS-IB;Comm,Samsung,Eng/Spa,S.A	1	SNA	
..2	ACCE2	BN96-10150H	ASSY ACCESSORY-CABLE;UN22C4000PXZL	1	SNA	
...3	EC11	3903-000542	CBF-POWER CORD;DT,THAIWAN,LP-70L,125V,7A	1	SA	
...3	T0685	4301-000103	BATTERY-ALKALINE;1.5V,750mAH,LR03,10.5x4	2	SNA	
...3	T0524	6902-001107	BAG PE;LDPE,T0.05,W450,L400,TRP,0,3Separ	1	SNA	
...3	REMO2	BN59-01018A	REMOCON;TM1050,SAMSUNG,20PIN SINGLE,48KE	1	SA	
...3		BN61-05596A	HOLDER-WIRE CABLE;LED TV,LDPE,T0.8,L150,	1	SNA	
...3	T0527	BN68-00513A	LABEL-E,PASS;ALL MODEL,YUPO(110G),50X15,	1	SNA	
0.1		BN90-02596A	ASSY COVER FRONT;UC4000 22	1	SNA	
..2	T0527	AA68-03539A	LABEL BAR CODE;65X40mm,ART PAPER	1	SNA	
..2	T0003	BN96-13150A	ASSY COVER P-FRONT;UC4000 22,UO,PMMA+PMM	1	SA	
...3		BN61-06213A	BRACKET-STOPPER BOSS;C8K,SECC+SK5,T1.2	6	SNA	
...3		BN61-06215A	BRACKET-STOPPER PANEL;C8K,SK5,0.5T	1	SNA	
...3	CCM1	BN63-02183D	COVER-SHEET;Rhcm,PE Vinyl,T0.04,680mm,20	0.45	SNA	
...3	CCM1	BN63-05199B	COVER-SHEET;AMBER,PE,T0.08,W65mm,200M,CL	2.4	SNA	
...3	CCM1	BN63-05199D	COVER-SHEET;AMBER,PE,T0.08,W75mm,200M,CL	1	SNA	
...3	M0125	BN96-12884B	ASSY BOARD P-TOUCH FUNCTION&IR;UE22C4000	1	SA	
...3		AA60-00171W	SPACER;GTR32K*,FELT,460,T0.35,10	2	SNA	
...3	T0069	BN60-00134A	SPACER-FELT;L250mm,BLK,T0.35mm,W10mm	2	SNA	
...3	T0382	BP61-00495C	HOLDER-CARE;PJT,ACRYL-FOAM,T0.25,W30.0mm	0.24	SNA	
...3	T0382	BP61-00509C	HOLDER-CARE;PJT,ACRYL-FOAM,T0.25,W20.0mm	0.16	SNA	
...3		BN60-00162L	SPACER-FOAM;FOAM,50000mm,Dark Gray,0.5T,	1.5	SNA	
...3	M0112	BN63-06560A	COVER-FRONT;UC4000 22,UO,PMMA+PMMA/ABS,H	1	SNA	
...3	T0175	BN96-12945A	ASSY SPEAKER P;16ohm,4pin,3W,L : 360 R:	1	SA	
0.1	R001A	BN90-02599J	ASSY COVER REAR;UC4000 22	1	SNA	
..2	R001A	BN96-13153J	ASSY COVER P-REAR;UC4000 22,LO,PCM,BKN-P	1	SA	
...3	M0081	6003-000115	SCREW-TAPTYPE;BH,+,B,M3,L6,ZPC(BLK),SWRC	2	SNA	
...3	T0101	BN61-06288A	BRACKET-WALL;UC4k 19/22,SECC,T1.0	2	SNA	
...3		BN68-02530T	LABEL-TERMINAL BOTTOM;UC4000 22/26,LO,PE	1	SNA	
...3		BN96-13400A	ASSY MISC P-INSULATOR;UC4000 22,PC,T0.43	1	SNA	
....4	T0278	BN60-00122B	SPACER-SPONGE;UB7000,CR,L140,T2.0,W10	2	SNA	
....4		BN63-06772A	SHEET-INSULATOR;UC4K-22,PC,T0.4,150*170	1	SNA	
...3	M0006	BN63-06563A	COVER-REAR;UC 4000 22,UO/KO,PCM,0.5T,BKN	1	SNA	
...3		BN60-00162Q	SPACER-FOAM;FOAM,50000mm,Dark Gray,0.35T	1	SNA	
...3		BN68-02531A	LABEL-TERMINAL SIDE;LED,PET,T0.05,UO(19-	1	SNA	
..2	SCREW	6003-001782	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	13	SA	

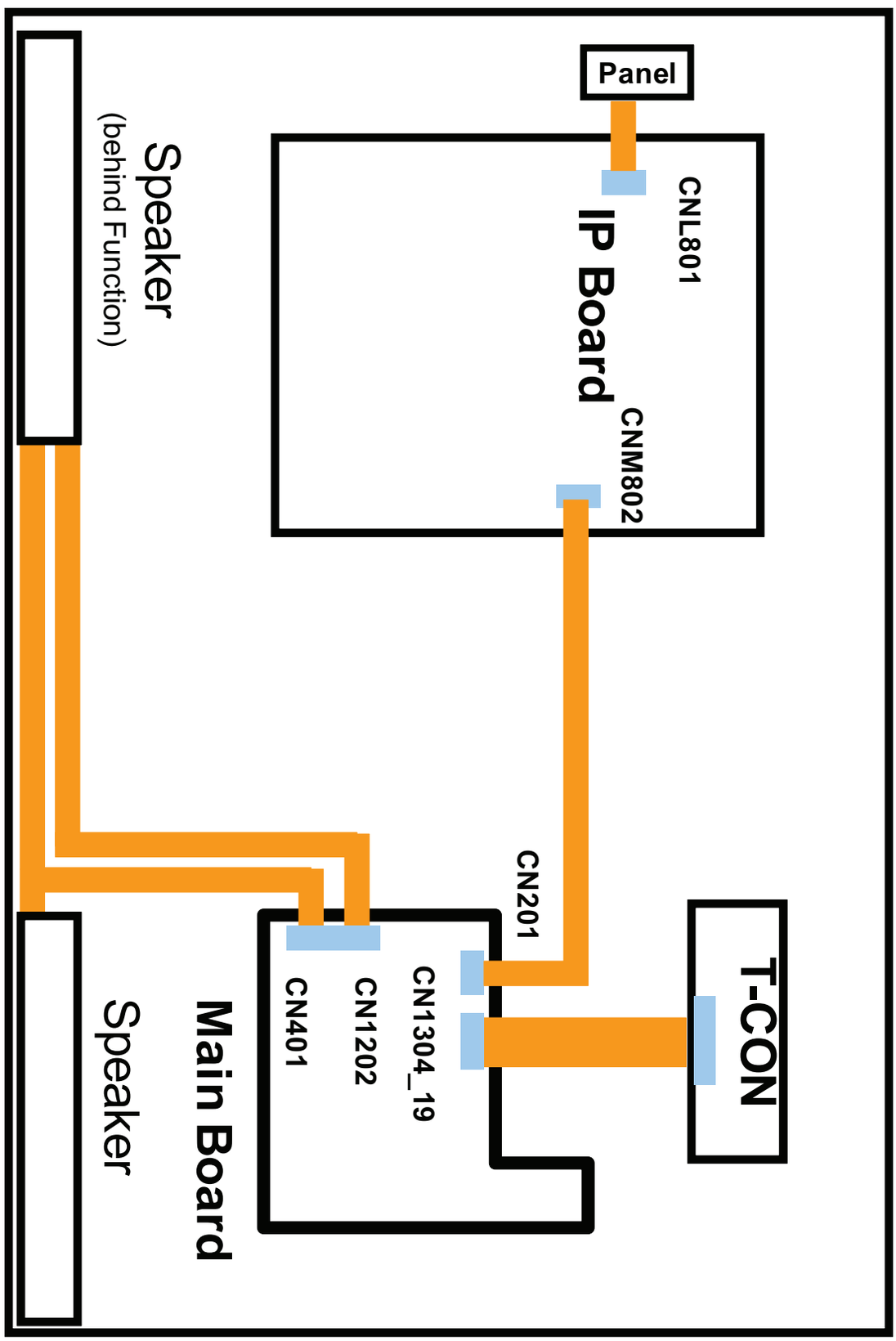
6. Wiring Diagram

6-1. Wiring Diagram

■ **19"/22"**



■ **26"**


Panel
CNL801
IP Board
CNM802
Speaker
(behind Function)
CN201
T-CON
CN1304_19
CN1202
CN401
Main Board
Speaker

6-2. Connector

26": CN1303_26 19"/22" : CN1304_1922 (To Panel)			
1	Panel_VCC	16	ODD[CLK]+
2	Panel_VCC	17	ODD[CLK]-
3	Panel_VCC	18	GND
4	Panel_VCC	19	ODD[2]+
5	Panel_VCC	20	ODD[2]-
6	GND	21	GND
7	GND	22	ODD[1]+
8	GND	23	ODD[1]-
9	TCON_WP	24	GND
10	FORMAT	25	ODD[0]+
11	NC	26	ODD[0]-
12	GND	27	GND
13	ODD[3]+	28	SDA_TCON
14	ODD[3]-	29	SCL_TCON
15	GND	30	NC

CN201(to Powr board)			
1	B12VS	10	GND
2	A5V	11	GND
3	B12VS	12	H_OUT
4	A5V	13	B13V
5	B5V	14	PWM_ DIMMING
6	B5V	15	B13V
7	B5V	16	SW_ NVERTER
8	GND	17	B13V
9	GND	18	IP_DET

CN401(FUNCTION)			
1	IR	5	MSDA
2	GND	6	KEY_INPUT1
3	A5V	7	KEY_INPUT2
4	MSCL	8	LED_STB

CN1202 (SPEAKER)			
1	R+	3	L+
2	R-	4	L-

CN706 (USB)			
1	USB_VCC	3	USB_DP
2	USB_DM	4	GND

CN901(PC)			
1	PC_RED	9	PC_5V
2	PC_GREEN	10	IDENT_PC
3	PC_BLUE	11	R_FANET
4	T_FANET	12	SDA_DOWN
5	GND	13	PC_HS
6	GND	14	PC_VS
7	GND	15	SCL_DOWN
8	GND		

CN902(PC/DIV SOUND)			
1	GND	4	NC
2	PC_SR_IN	5	NC
3	PC_SL_IN	6	NC
4	T_FANET	12	SDA_DOWN

CN1003 (HDMI1)			
1	HDMI1_RX2+	11	GND
2	GND	12	HDMI1_ RXCLK-
3	HDMI1_RX2-	13	HDMI_CEC
4	HDMI1_RX1+	14	GND
5	GND	15	SCL
6	HDMI1_RX1-	16	SDA
7	HDMI1_RX0+	17	GND
8	GND	18	5V
9	HDMI1_RX0-	19	HPD
10	HDMI1_ RXCLK+		

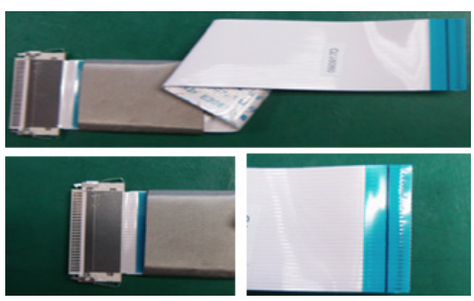
CN1004 (HDMI2)			
1	HDMI2_RX2+	11	GND
2	GND	12	HDMI2_ RXCLK-
3	HDMI2_RX2-	13	HDMI_CEC
4	HDMI2_RX1+	14	GND
5	GND	15	SCL
6	HDMI2_RX1-	16	SDA
7	HDMI2_RX0+	17	GND
8	GND	18	5V
9	HDMI2_RX0-	19	HPD
10	HDMI2_RXCLK+		

CN701(COMP1 JACK)			
1	GND	9	COMP2_PR
2	COM2_SL	10	GND
3	COM2_SR	11	COMP2_PB
4	GND	12	COMP2_PB
5	COMP2_SR	13	GND
6	COMP2_SL	14	IDENT_ COMP2
7	GND	15	COMP2_Y
8	COMP2_PR		

CN1201 (26" : Monitor onut 19"/22" : Headphone)			
1	GND	5	NC
2	OUT_R	6	GND
3	OUT_R	7	NC
4	GND		

6-3. Connector Functions

Connector	Functions
CN201 ⟷ IP CNM802	Supply main power and dimming signal from IP board to Main Board.
CN1303_26/CN1304_19 ⟷ T-CON	The LVDS signal transfered from Main Board to Panel.

6-4. Cables

Use	LEAD (Main-IP 18P)	LVDS (Main - TCON)
Code	26" C4000 : BN39-01267A 22" C4000 : BN39-01267L 19" C4000 : BN39-01267B	26" C4000 : BN96-12469L 22" C4000 : BN96-12447N 19" C4000 : BN96-13413A
Photo